SAMSUNG

DVD-VCR

DVD-V77MS

Instruction Manual

www.samsung.com.au

VHS
PAL

Contents

Contents (cont.)

Contents (cont.)

Symbols

1	**1**	☞	➤
Press/push	**Hold down**	**Important**	**Note**

1 **= Step number**

Safety Instructions

The following illustrations represent precautions.

The lightning bolt is a warning sign alerting you to dangerous voltage inside the product. DO NOT OPEN THE DVD-VCR. Refer to service personnel.
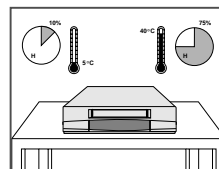
Do NOT expose the DVD-VCR to extreme temperature conditions (below 5°C and above 40°C) or to extreme humidity conditions (less than 10% and more than 75%).
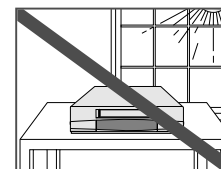
Do NOT expose the DVD-VCR to direct sunlight.
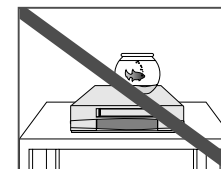
Do NOT expose the DVD-VCR to any liquids.
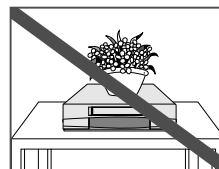
Do NOT place any objects on the DVD-VCR or remote control.
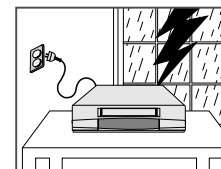
During a storm and/or lightning, unplug the DVD-VCR from the mains socket and aerial.
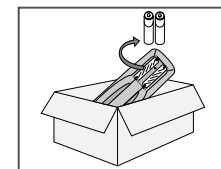
If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.

THIS DEVICE IS NOT FOR USE IN INDUSTRIAL ENVIRONMENTS

Disc Type and Characteristics

This DVD player is capable of playing the following types of discs with the corresponding logos :

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD	Audio + Video	12 Cm	Single-sided 240 min. Double-sided 480 min.	• DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. • Various screen and audio functions can be easily selected through the on-screen menu.
		8 Cm	Single-sided 80 min. Double-sided 160 min.	
VIDEO-CD	Audio + Video	12 Cm	74 min.	• Video with CD sound, VHS quality & MPEG-1 compression technology.
		8 Cm	20 min.	
AUDIO-CD	Audio	12 Cm	74 min.	• An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 Cm	20 min.	

* DO NOT play CD-ROM, CD-I and DVD-ROM in this player! (CDGs play audio only, not graphics.)

* The may not operate depending on the disc.

Disc Markings

~	**PAL**	**NTSC**	**DOLBY DIGITAL**	**STEREO**	**DIGITAL SOUND**	**dts**
• Playback Region Number	• PAL colour system in U.K, France, Germany, Austrailia etc.	• NTSC broadcast system in USA, Canada, japan, South Korea, etc.	• Dolby Digital disc	• Stereo disc	• Digital Audio disc	• DTS disc

Playback Region Number

Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is described on the rear panel of the player.

Front View of the DVD-VCR

STANDBY/ON BUTTON
DVD DECK
OPEN/CLOSE BUTTON
VIDEO CASSETTE COMPARTMENT
DVD/VCR SELECT BUTTON
COPY BUTTON
EJECT BUTTON

STOP BUTTON
MEMORY STICK
REW/SKIP BACK BUTTON
PLAY/PAUSE BUTTON
F.F/SKIP NEXT BUTTON
PROGRAMME SELECTION BUTTONS
RECORD BUTTON
LINE IN 2 VIDEO INPUT JACK
LINE IN 2 AUDIO L, R INPUT JACK

Rear View of the DVD-VCR

1   2   3   4   5   6   7   8   9

1	RF ANTENNA INPUT	**5**	AUDIO LINE OUT (S-VIDEO OR COMPONENT)
2	RF OUT TO TV	**6**	COMPONENT VIDEO OUT
3	LINE OUT TO TV (COMPOSITE)	**7**	DIGITAL AUDIO OUT(COAXIAL)
4	LINE IN 1	**8**	DIGITAL AUDIO OUT(OPTICAL)
		9	S-VIDEO OUT

Infrared Remote Control

GB
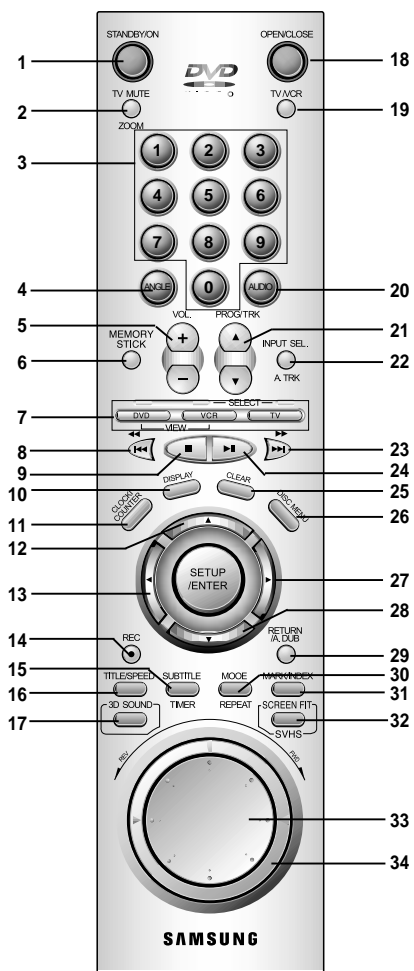
1   STANDBY/ON
2   TV MUTE, ZOOM
3   0-9
4   ANGLE
5   VOLUME +/-
6   MEMORY STICK
7   DVD, VCR, TV
8   REWIND, SKIP BACK
9   STOP
10 DISPLAY
11 CLOCK/COUNTER
12 UP
13 LEFT
14 RECORD
15 SUBTITLE, TIMER
16 TITLE, SPEED
17 3D SOUND
18 OPEN/CLOSE
19 Feature unavailable on this model
20 AUDIO
21 PROG/TRK
22 INPUT SEL.
    A.TRK
23 FAST-FORWARD
    SKIP NEXT
24 PLAY/STILL
25 CLEAR
26 DISC MENU
27 RIGHT
28 DOWN
29 RETURN, A.DUB
30 MODE, REPEAT
31 MARK, INDEX
32 SCREEN FIT, SVHS
33 JOG DIAL
34 SHUTTLE DIAL

Display Indicators

GB
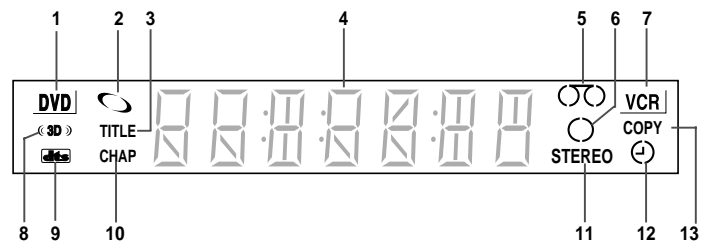
1 The DVD Deck is active

2 The status of the DVD deck is graphically displayed

3 The number to the right of the "TITLE" symbol is the current title number

4 The time, counter position, time remaining or current deck status is displayed

5 The status of the VCR deck is graphically displayed

6 Recording is in progress and blinks when the VCR is in PAUSE mode

7 The VCR Deck is active

8 3D Sound is active

9 A DVD with a DTS soundtrack is loaded

10 The number to the right of the "CHAP" symbol is the current title number

11 The current TV show or video is broadcast in Stereo

12 A Timer Recording is programmed or in progress.

13 DVD to VHS copy is in progress

Accessories

You have just purchased a SAMSUNG Video Cassette Recorder (DVD-VCR).
Together with your DVD-VCR, you will find the following accessories in the box.

REMOTE CONTROL & BATTERIES	AUDIO & VIDEO CABLE	OWNER'S INSTRUCTIONS	COAXIAL CABLE
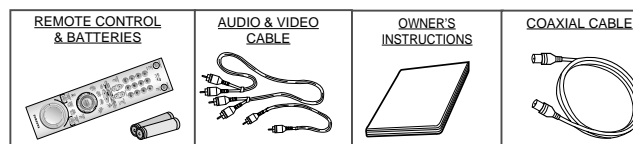
Deciding How to Connect DVD-VCR

GB

You must take into account various factors when connecting audio or video systems:

◆ *Types of connectors available on your systems*

◆ *Systems connected permanently to the DVD-VCR (satellite receiver for example) or temporarily (camcorder for example)*

Your DVD-VCR is equipped with the following connectors.

Connector	Location	Type	Direction	Recommended Use
LINE	Rear	Audio/Video RCA	In/Out	◆ Television ◆ Other VCR
Audio output	Rear	Audio RCA	Out	◆ Audio out (DVD only)
COMPONENT output	Rear	RCA	Out	◆ COMPONENT out (DVD only)
S-VIDEO output	Rear	S-JACK	Out	◆ S-Video out (DVD only)
Digital AUDIO output	Rear	Optical coaxial	Out	◆ Digital Audio out (DVD only)
OUT TO TV	Rear	75 Ω coaxial	Out	◆ Television
IN FROM ANT.	Rear	75 Ω coaxial	In	◆ Aerial ◆ Cable television network ◆ Satellite receiver

☞ Whenever you connect an audio or video system to your DVD-VCR, ensure that all elements are switched off.

Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

10

Connecting DVD-VCR to the TV using the Coaxial Cable

GB

To receive television programmes a signal must be received from one of the following sources:

◆ *An outdoor aerial*

◆ *An indoor aerial*

◆ *A cable television network*

◆ *A satellite receiver*

☞ Make sure that both the television and the DVD-VCR are switched off before connecting the cables.

1 Remove the aerial or network input cable from the television.

2 Connect this cable to the 75Ω coaxial socket marked ⊓⊏ on the rear of your DVD-VCR.

3 Plug the coaxial cable supplied into the [TV] socket on your DVD-VCR.

4 Plug the other end of the coaxial cable into the connector previously used for the aerial on the television.

5 To obtain better quality pictures and sound on your television, you can also connect your DVD-VCR to the television via the RCA cable (see section below) if your television is equipped with this type of connection.
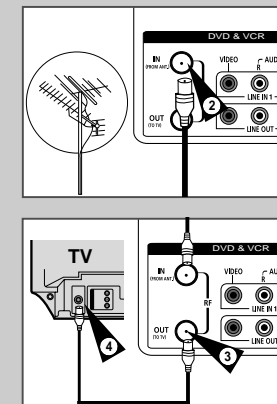
Connecting DVD-VCR to the TV using the RCA Cable
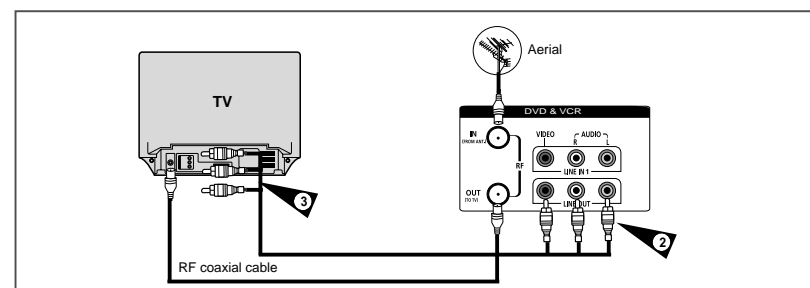
You can connect your DVD-VCR to the television using the RCA cable if the appropriate input is available on the television. You thus:

◆ *Obtain better quality sound and pictures*

◆ *Simplify the setting up procedure of your DVD-VCR*

☞ ◆ Regardless of the type of connection chosen, you must always connect the coaxial cable supplied. Otherwise, no picture will be visible on the screen when the DVD-VCR is switched off.

◆ Make sure that both the television and the DVD-VCR are switched off before connecting the cables.

1 Connect the coaxial cable as indicated in the above section.

2 Connect one end of the RCA Audio/Video cable to the Video output and Audio L, R output socket on the rear of the DVD-VCR.

3 Plug the other end into the appropriate connector on the television.

11

Connecting Other Equipment to Your DVD-VCR

You can connect other audio and/or video equipment to your DVD-VCR in different ways. The following illustrations give a few examples of the connection possibilities.

➢ The RCA input/output connectors on the rear of the DVD-VCR are used for equipment, such as camcorders, VCRs or sound systems.

Camcorder

VIDEO ⌐AUDIO⌐
R   L
LINE IN 1

LINE OUT

REAR OF THE DVD-VCR

VCR

Sound system
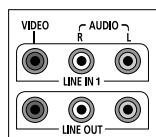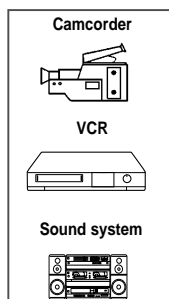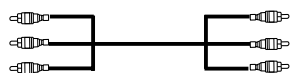
Plug & Auto Set Up

Your DVD-VCR will automatically set itself up when it is plugged into the mains for the first time. TV stations will be stored in memory. The process takes a few minutes. Your DVD-VCR will then be ready for use.

1 Connect the coaxial cable as indicated on page 11.
(Connecting Your DVD-VCR to the TV Using the Coaxial Cable)

2 Plug the DVD-VCR into the mains.
<u>Result</u>: The select menu language menu is displayed.

3 Select the required language by pressing the number buttons.
<u>Result</u>: A message appears.

4 Press ENTER to start the auto scanning.
♦ The number of stations automatically stored by the DVD-VCR depends on the number of stations that it has found.

5 On completion, press RETURN twice to exit the menu.

➢ ♦ Auto preset can be performed by pressing (STOP) on the DVD-VCR continuously for 5 seconds or more with no tape inserted.

TV

2

AUTO

```
          AUTO SET UP
      ⌐PLEASE WAIT⌐
                    60%
I■■■■■■■■■■■-------I

RETURN
```

```
                CLOCK SET
 12:00    1/JAN/2002
                    TUE


RETURN        ◄► ▲▼
```

12

13
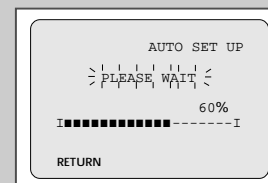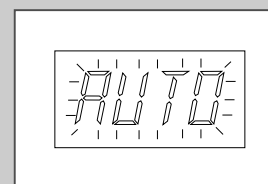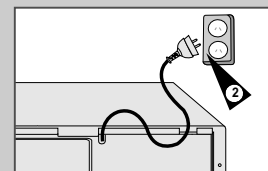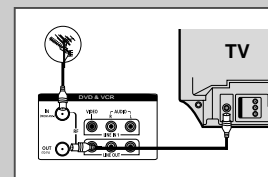
Tuning Your Television for the DVD-VCR

You must tune your television for the DVD-VCR only if you are not using a RCA cable

➤ To view pictures from your DVD-VCR when a RCA cable is used, the television must be set to the audio/video mode (AV).

1 Switch on the television.

2 Switch on the DVD-VCR by pressing STANDBY/ON on the front of the DVD-VCR or STANDBY/ON on the remote control.

3 Select a programme position on the television to be reserved for use with your DVD-VCR.

4 Insert the video cassette in the DVD-VCR. Check that the DVD-VCR starts reading the cassette; if not, press ▶︎❚❚ button.

5 Start a scan on your television or set the television to UHF channel 36 (Australia:UHF 38 CH).

6 Fine tune the television until the pictures and sound are obtained clearly.

7 If you cannot find the pictures and sound, or there is interference from nearby channels, it may be necessary to change the setting of the DVD-VCR output channel (see Setting the DVD-VCR Output Channel on page 23 and Problems and Solutions on page 76).

8 When the picture and sound are perfectly clear, store this channel at the desired programme position on the television.
Result: That programme is now reserved for use with your DVD-VCR.

Deck Control Keys

The DVD-VCR uses one set of controls to operate both decks. The following keys are helpful in successfully controlling each deck.

1 STANDBY/ON Button
Press the STANDBY/ON button on the remote control or front panel to turn on the DVD-VCR.

2 DVD Button
Press the DVD button on the remote control when you want to control the DVD deck.
◆ The DVD indicator will light on the Front Panel Display to show that the DVD deck is selected.

3 VCR Button
Press the VCR button on remote control when you want to control the VCR deck.
◆ The VCR indicator will light on the Front Panel Display to show that VHS deck is selected.

4 DVD-VCR Toggle
Press the SELECT button on the front panel to toggle control between the DVD deck and the VCR deck.

➤ Before using the VCR operation of 19~44 pages, press the VCR button on the remote control to select VCR mode.

Before using the DVD operation of 45~73 pages, press the SELECT button on the remote control to select and watch DVD.

GB
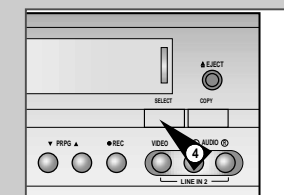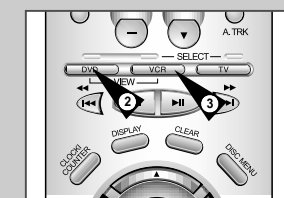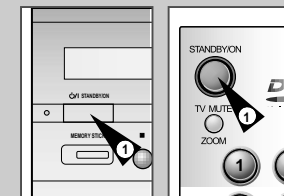
Copying from DVD to VCR
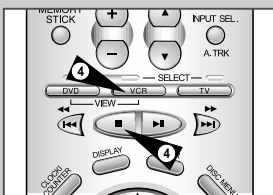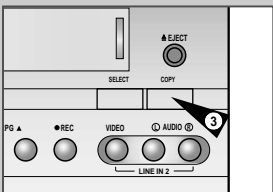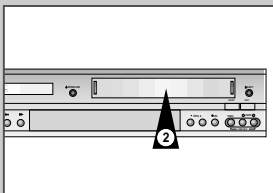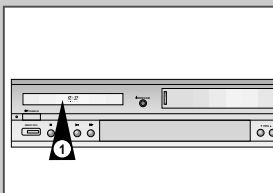
The DVD-VCR allows you to copy the contents of a DVD to a VHS tape with a press of the COPY button.

⚠️ *If the DVD you are attempting to copy is copy protected, you will not be able to copy the disc. It is not permitted to copy Macrovision® encoded DVDs.*

1 Insert Disc
Insert the disc you wish to copy in the DVD deck and close the drawer.

2 Insert VHS Tape
Insert a blank VHS videotape into the VCR deck.

3 Copy the DVD to VHS Tape
Press the COPY button on the DVD-VCR front panel.
◆ The DVD will go into Play mode and the VCR will go into Record mode.
◆ If the DVD disc menu appears, you may need to press the PLAY button manually to begin copying.

4 Stop the Copy Process
When the DVD is finished playing, press the VCR button on the remote control and then press the STOP button to end the copy.
◆ You must stop the Copy process manually when the DVD movie ends or the DVD may replay and record over and over again.

GB

Inserting Batteries in the Remote Control

You must insert or replace the batteries in the remote control when you:

◆ *Purchase the DVD-VCR*

◆ *Find that the remote control is no longer working correctly*

1 Push the tab in the direction of the arrow to release the battery compartment cover on the rear of the remote control.

2 Insert two AA, R6 or equivalent batteries, taking care to respect the polarities:
◆ + on the battery with + on the remote control
◆ – on the battery with – on the remote control

3 Replace the cover by aligning it with the base of the remote control and pushing it back into place.

➢ Do not mix different battery types (manganese and alkaline for example).
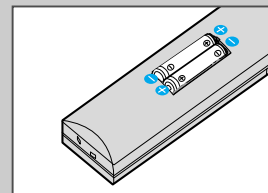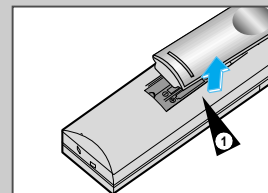
Setting the Date and Time

You must set the date and time when:

◆ *You purchase the DVD-VCR*

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **VCR Setup** option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the **Clock Set** menu.

5 Press the ENTER button to select this menu.
Result: The **Clock Set** menu is displayed.

6 Press ◀ or ▶ to select the hour, minutes, day, month and year.
Result: The option selected flashes.

7 Press the ▲ or ▼ buttons to increase or decrease the value.
Result: The day of the week is displayed automatically.

➢ You can hold the ▲ or ▼ buttons down to scroll more quickly through the values.

8 On completion, press RETURN to exit the menu.

Menu Language

1   Open "SETUP MENU"
With the DVD in stop mode, press the SETUP button.

2   Set "Language"
Using the Up/Down(▲/▼), move the selection arrow to Language
Option then press ENTER button.

3   Set "Player Menu"
Using the Up/Down(▲/▼), move the selection arrow to Player
Menu then press ENTER button.

4   Set Player Menu Language
Move the selection bar to your desired Language, then press
ENTER button.

DVD Setup
VCR Setup
Language   Player Menu   English
Parental   Disc Menu   English
Option   Audio   English
Program   Subtitle   Automatic

DVD Setup
VCR Setup
Language   ✱ English
Parental   Français
Option   Player Menu   Deutsch
Program   Español
                       Italiano
                       Nederlands

Presetting the Stations Automatically   VCR

☞   You do not need to preset the stations if you have already
       set them automatically (see Plug & Auto Set Up on
       page 13).

*Your DVD-VCR contains a built-in tuner used to receive television
broadcasts.*

*You must preset the stations received through the tuner. This can
be done:*
   ◆ *Plug & Auto Set up (see page 13)*
   ◆ *Automatically*
   ◆ *Manually (see page 20)*

You can store up to 80 stations.

1   Press the SETUP button on the remote control.
         <u>Result</u>:   The MAIN MENU is displayed.

2   Press the corresponding ▲, ▼ buttons to select the `VCR Setup`
         option.

3   Press the ENTER button to select this option.

4   Press the corresponding ▲, ▼ buttons to select the
         `Installation` menu.

5   Press the ENTER button to select this menu.
         <u>Result</u>:   The `INSTALLATION` menu is displayed.

6   Press the corresponding ▲ or ▼ buttons, until the `AUTO SET`
         `UP` option is selected.
         And then press the ENTER button to select this option.
         <u>Result</u>:   A message appears, indicating that any channels
                   already preset on your DVD-VCR will be deleted.

7   Press ENTER to start the auto scanning.
         <u>Result</u>:   ◆ The `PLEASE WAIT` indication flashes on the
                     television screen.
                   ◆ The first frequency band is scanned and the first
                     station found is displayed and stored.
                   ◆ The DVD-VCR then searches for the second station
                     and so on.
                   ◆ When the automatic scanning procedure has
                     finished, the DVD-VCR switches automatically to
                     programme 1.
         ➢   The number of stations automatically stored by the DVD-
               VCR depends on the number of stations that it has found.

8   If you wish to cancel the auto scanning before the end, press the
         RETURN button times to exit the menu.

➢   ◆ Once the auto scanning procedure has finished, some
           stations may have been stored more than once; select
           the stations with the best reception and delete the
           ones no longer required (see page 21).

Enter
Return
SAMSUNG DIGITall

DVD Setup	Clock Set
VCR Setup	Installation
Language	Tape Select E180
Parental	Repeat play OFF
Option	OSD ON
Program	

Australia Model

                 INSTALLATION
  AUTO SET UP
  MANUAL SET UP
  VCR OUTPUT CH :CH38

  RETURN   ▲▼   ENTER

Newzealand Model

                 INSTALLATION
  AUTO SET UP
  MANUAL SET UP
  TV SYSTEM   :G
  VCR OUTPUT CH :CH36

  RETURN   ▲▼   ENTER

     YOUR DATA WILL BE LOST

  PRESS **ENTER** TO CONTINUE
        RETURN TO EXIT

                 AUTO SET UP
          PLEASE WAIT
                         2%
  I--------------------I

  RETURN

GB

DVD Setup
VCR Setup Clock Set
Language Installation
Parental Tape Select E180
Option Repeat play OFF
Program OSD ON

Australia Model

INSTALLATION

AUTO SET UP
MANUAL SET UP
VCR OUTPUT CH :CH38

RETURN ▲▼ ENTER

Newzealand Model

INSTALLATION

AUTO SET UP
MANUAL SET UP
TV SYSTEM :G
VCR OUTPUT CH :CH36

RETURN ▲▼ ENTER

TV STATION TABLE

PR CH NAME
1
2
3
4
5
▲▼ ► SWAPPING:ENTER
RETURN DELETE:CLEAR

MANUAL TUNING

PR :
CH : ---
MFT : -
NAME : ----

▲▼ ◄► MEMORY:ENTER
RETURN

☞ You do not need to preset the stations manually if you have already set them automatically.

1 Press the SETUP button on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **VCR Setup** option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the **Installation** menu.

5 Press the ENTER button to select this menu.
Result: The **INSTALLATION** menu is displayed.

6 Press the corresponding ▲ or ▼ buttons, until the **MANUAL SET UP** option is selected.

7 Press the ENTER button to select a **MANUAL SET UP** option.
Result: The **TV STATION TABLE** menu is displayed.

8 Press the ▲ or ▼ buttons to select a programme number as required.

9 Press the ► button to preset the station.
Result: The **MANUAL TUNING** menu is displayed.

10 Press the ◄ or ► buttons to start scanning.
Result: The frequency band is scanned and the first station found is displayed.

11 Press the ▲ or ▼ buttons until the **NAME** is selected.
The station name is set automatically from the broadcast signal.

12 To change the programme's name, press the ► button.
Result: The first letter of the name flashes.

13 **To...** **Then...**

Select a character in the name Press the ▲ or ▼ button until the required character is displayed (letters, numbers or "-" character).

Move to the next or previous character Press the ► or ◄ buttons respectively.

14 **If you...** **Then...**

Wish to store the station displayed ◆ Press the ▲ or ▼ buttons until the **MFT** is selected.
◆ Press the ◄ or ► buttons to adjust the picture, if necessary.
◆ Press ENTER to store the station

Do not wish to store the station displayed ◆ Press the ▲ or ▼ buttons until the **CH** is selected.
◆ Press the ◄ or ► buttons to go on scanning the frequency band and display the next station
◆ Go back to the beginning of Step **14**

15 Repeat this procedure from Step **8** onwards, until all the required stations have been stored.

16 On completion, press the RETURN button to exit the menu.

☞ You do not need to preset the stations manually if you have already set them automatically.

GB

If you have stored a TV station:

◆ *That you do not require*

◆ *At the wrong programme position*

you can cancel it.

1 Press the SETUP button on the remote control.

2 Press the corresponding ▲, ▼ buttons to select the **VCR Setup** option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the **Installation** menu.

5 Press the ENTER button to select this menu.
Result: The **INSTALLATION** menu is displayed.

6 Press the corresponding ▲ or ▼ buttons, until the **MANUAL SET UP** option is selected.

7 Press the ENTER button to select this option.
Result: The **TV STATION TABLE** menu is displayed.

8 Press the corresponding ▲ or ▼ buttons, until the required preset TV station is selected. (**PR**)

9 Press the CLEAR button.

10 Repeat the same procedure from Step **8** onwards until all the required stations have been cleared.

11 On completion, press the RETURN button to exit the menu.

DVD Setup
VCR Setup Clock Set
Language Installation
Parental Tape Select E180
Option Repeat play OFF
Program OSD ON

Australia Model

INSTALLATION

AUTO SET UP
MANUAL SET UP
VCR OUTPUT CH :CH38

RETURN ▲▼ ENTER

Newzealand Model

INSTALLATION

AUTO SET UP
MANUAL SET UP
TV SYSTEM :G
VCR OUTPUT CH :CH36

RETURN ▲▼ ENTER

TV STATION TABLE

PR CH NAME
1 003
2
3
4
5
▲▼ ► SWAPPING:ENTER
RETURN DELETE:CLEAR
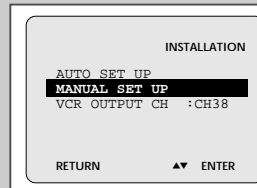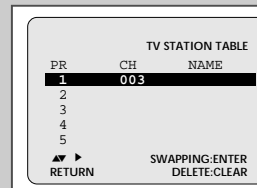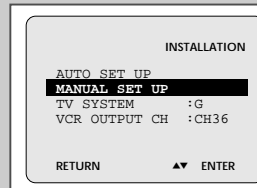
VCR **Changing the Preset Station Table**
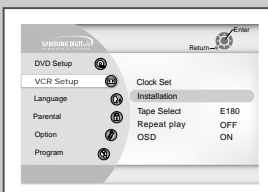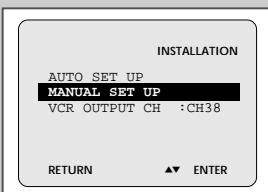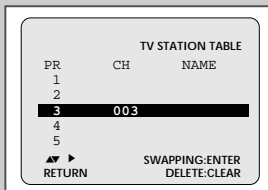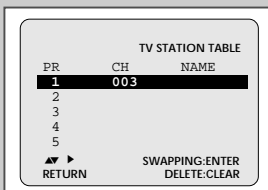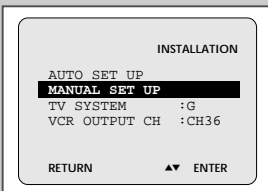
You can rearrange the Station Table and give different programme numbers to the stations listed according to your own preferences.

Australia Model

```
                    INSTALLATION
AUTO SET UP
MANUAL SET UP
VCR OUTPUT CH  :CH38


RETURN             ▲▼  ENTER
```

Newzealand Model

```
                    INSTALLATION
AUTO SET UP
MANUAL SET UP
TV SYSTEM      :G
VCR OUTPUT CH  :CH36


RETURN             ▲▼  ENTER
```

```
                    TV STATION TABLE
PR      CH      NAME
 1      003
 2
 3
 4
 5
▲▼  ▶              SWAPPING:ENTER
RETURN             DELETE:CLEAR
```

```
                    TV STATION TABLE
PR      CH      NAME
 1
 2
 3      003
 4
 5
▲▼  ▶              SWAPPING:ENTER
RETURN             DELETE:CLEAR
```

1 Press the SETUP button on the remote control.

2 Press the corresponding ▲, ▼ buttons to select the **VCR Setup** option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the **Installation** menu.

5 Press the ENTER button to select this menu.
Result: The **INSTALLATION** menu is displayed.

6 Press the corresponding ▲ or ▼ buttons, until the **MANUAL SET UP** option is selected.

7 Press the ENTER button to select this option.
Result: The **TV STATION TABLE** menu is displayed.

8 Press the corresponding ▲ or ▼ buttons, until the required preset TV programme is selected.
Result: The selected station is displayed at the same time on the television screen.

9 To change the programme number assigned to a station press the ENTER button on the remote control (For example; To move a TV station in programme 1 to programme 3).

10 Press the ▲ or ▼ buttons to select required position and the press ENTER again to swap the position.

11 On completion, press the RETURN button to exit the menu.

Setting the DVD-VCR Output Channel **VCR**

Your DVD-VCR output channel may need to be changed if the pictures suffer from interference or if your TV cannot find the pictures.
Also, you can change the DVD-VCR output channel to adjust the frequency in which information is displayed on the screen.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **VCR Setup** option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the **Installation** menu.

5 Press the ENTER button to select this menu.
Result: The **INSTALLATION** menu is displayed.

6 Press the ▲ or ▼ buttons, until the **VCR OUTPUT CH** option is selected.

7 Select the required output channel (CH21~CH69) by pressing the ◀ or ▶ buttons (Australia:CH28 ~ CH69).

8 On completion, press RETURN twice to exit the menu.
Then tune your television again (see page 14).
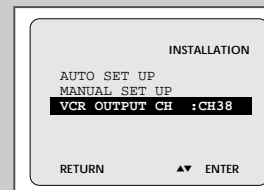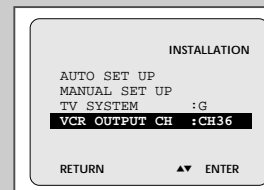
Selecting the RF OUT Sound Mode (B/G-D/K)
(Newzealand Model only) **VCR**

You can choose the sound mode (B/G or D/K) according to the TV set connected to your VCR.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **VCR Setup** option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the **Installation** menu.

5 Press the ENTER button to select this menu.
Result: The **INSTALLATION** menu is displayed.

6 Press the ▲ or ▼ buttons, until the **TV SYSTEM** option is selected.

7 Press the ◀ or ▶ button to select G or K.

8 On completion, press RETURN to exit the menu.

Australia Model

```
                    INSTALLATION
AUTO SET UP
MANUAL SET UP
VCR OUTPUT CH  :CH38


RETURN             ▲▼  ENTER
```

Newzealand Model

```
                    INSTALLATION
AUTO SET UP
MANUAL SET UP
TV SYSTEM      :G
VCR OUTPUT CH  :CH36


RETURN             ▲▼  ENTER
```



```
                    INSTALLATION
AUTO SET UP
MANUAL SET UP
TV SYSTEM      :G
VCR OUTPUT CH  :CH36


RETURN             ▲▼  ENTER
```

GB
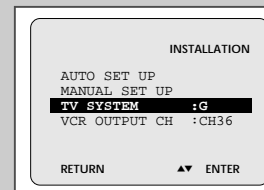
VCR Selecting the Colour Mode

Australia Model

```
                    USER SET
COLOUR SYSTEM    :AUTO
IPC              :ON
AUTO POWER OFF   :OFF
G-CODE EXTEND    :OFF


RETURN           ▲▼ ◄►
```

Newzealand Model

```
                    USER SET
COLOUR SYSTEM    :AUTO
NICAM            :ON
IPC              :ON
AUTO POWER OFF   :OFF
G-CODE EXTEND    :OFF

RETURN           ▲▼ ◄►
```
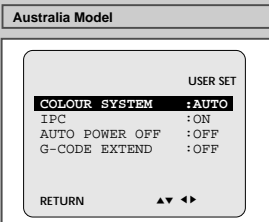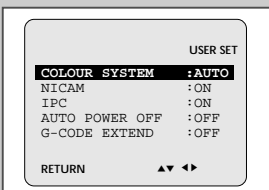
Before recording or playing back a cassette, you can select the required system standard.

Otherwise, the system automatically selects the reception standard when you select AUTO.

➤ ◆ When playing back a cassette, the standard is automatically selected by the DVD-VCR.
◆ When you playback an NTSC-recorded tape on this DVD-VCR make a setting on the colour system according to your TV. If your TV is a PAL system only TV, set NTPB.
If your TV is Multi System TV (NTSC 4.43 compatible), set NT4.43 and you can record NT4.43.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the `Option`.

3 Press the ENTER button to select this option.
Result: The `USER SET` menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the `COLOUR SYSTEM` option is selected.

5 Press the ► button to select `AUTO → PAL → MESECAM →B/W`.

AUTO	When playing back a cassette, the system standard is automatically selected by the DVD-VCR.
B/W	Black and White

6 On completion, press RETURN to exit the menu.

VCR NICAM (Newzealand Model only)

```
                          Enter
SAMSUNG DIGITall       Return
DVD Setup    ①
VCR Setup    ②
Language     ③
Parental     ④
Option       ⑦
Program      ⑧
```

```
                    USER SET
COLOUR SYSTEM    :AUTO
NICAM            :ON
IPC              :ON
AUTO POWER OFF   :OFF
G-CODE EXTEND    :OFF

RETURN           ▲▼ ◄►
```
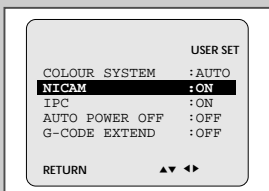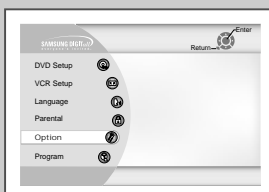
NICAM programmes are divided into 3 types. NICAM Stereo, NICAM Mono and Bilingual (transmission in another language). NICAM programmes are always accompanied by a standard mono sound broadcast and you can select the desired sound. Please refer to page 36.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the `Option`.

3 Press the ENTER button to select this option.
Result: The `USER SET` menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the `NICAM` option is selected.

5 To...	Press ◄ or ►, until...
Mono mode	`OFF` is displayed. OFF: Only set at this position to record the standard mono sound during a NICAM broadcast if the stereo sound is distorted due to inferior reception conditions.
NICAM mode	`ON` is displayed. ON: Normally set at this position.

6 On completion, press RETURN to exit the menu.

Intelligent Picture Control VCR

GB

The Intelligent Picture Control Feature allows you to adjust the sharpness of the image automatically, according to your own preferences.

1 During playback, press the SETUP button on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the `Option`.

3 Press the ENTER button to select this option.
Result: The `USER SET` menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the `IPC` option is selected.

5 Press the ► button to select the IPC (intelligent picture control) option.

➤ When intelligent picture control mode is `ON`, the sharpness of the image is adjusted automatically.

6 To adjust the sharpness manually, press the ▼ button to turn the IPC mode `OFF`.

7 Press the ◄ or ► buttons until the picture is displayed according to your preferences.

➤ If you do not press a button within ten seconds, the `PICTURE` menu disappears automatically.

8 On completion, press the RETURN button again.

```
                          Enter
SAMSUNG DIGITall       Return
DVD Setup    ①
VCR Setup    ②
Language     ③
Parental     ④
Option       ⑦
Program      ⑧
```

Australia Model

```
                    USER SET
COLOUR SYSTEM    :AUTO
IPC              :ON
AUTO POWER OFF   :OFF
G-CODE EXTEND    :OFF


RETURN           ▲▼ ◄►
```

Newzealand Model

```
                    USER SET
COLOUR SYSTEM    :AUTO
NICAM            :ON
IPC              :ON
AUTO POWER OFF   :OFF
G-CODE EXTEND    :OFF

RETURN           ▲▼ ◄►
```

00115A DVD-V77MS-GB2 10/25/02 10:46 AM Page 26

VCR Auto Power Off

GB

Australia Model

```
                    USER SET
COLOUR SYSTEM   :AUTO
IPC             :ON
AUTO POWER OFF  :OFF
G-CODE EXTEND   :OFF

RETURN          ▲▼ ◄►
```

Newzealand Model

```
                    USER SET
COLOUR SYSTEM   :AUTO
NICAM           :ON
IPC             :ON
AUTO POWER OFF  :OFF
G-CODE EXTEND   :OFF

RETURN          ▲▼ ◄►
```

The Auto Power Off feature automatically turns off your DVD-VCR if no signal is received and you do not press any button for the selected time.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **Option**.

3 Press the ENTER button to select this option.
Result: The **USER SET** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **AUTO POWER OFF** option is selected.

5 Press the ► button, until you select the time of Auto Power off interval.

OFF ➔ 2HOUR ➔ 3HOUR

6 On completion, press RETURN to exit the menu.

VCR G-CODE EXTEND

Australia Model

```
                    USER SET
COLOUR SYSTEM   :AUTO
IPC             :ON
AUTO POWER OFF  :OFF
G-CODE EXTEND   :OFF
                            OFF
                            10
                            ⋮
                            60
RETURN          ◄► ▲▼
```

Newzealand Model

```
                    USER SET
COLOUR SYSTEM   :AUTO
NICAM           :ON
IPC             :ON
AUTO POWER OFF  :OFF
G-CODE EXTEND   :OFF
                            OFF
                            10
                            ⋮
                            60
RETURN          ◄► ▲▼
```

To prevent delays or over-runs the DVD-VCR has a function called G-CODE EXTEND allowing you to extend the recording time by up to 60 minutes.

1 Press the SETUP button on the remote control.

2 Press the corresponding ▲, ▼ buttons to select the **Option**.

3 Press the ENTER button to select this option.
Result: The **USER SET** menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the **G-CODE EXTEND** option is selected.

5 Press ◄ or ► buttons to set the G-CODE EXTEND time by increments of 10 minutes.

6 To turn off, press ◄ or ► buttons repeatedly until **OFF** shows.

26

Selecting the Cassette Type VCR

If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **VCR Setup** option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the **Tape Select** menu.

5 Press the ◄ or ► buttons as many times as required, until the correct cassette length is displayed.

E180 ➔ E240
E300 ◄ E260

6 Press RETURN to exit the menu.

```
SAMSUNG DIGIT...        Enter
                        Return
DVD Setup
VCR Setup      Clock Set
Language       Installation
Parental       Tape Select   E180
Option         Repeat play   OFF
Program        OSD           ON
```

Auto Repeat Play VCR

You can set repeat play to repeat the tape continuously from beginning to end.

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the **VCR Setup** option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the **Repeat Play** menu.

5 To...   Press ◄ or ►, until...

Repeat play   **ON** is displayed.

Do not wish to repeat play   **OFF** is displayed.

6 On completion, press RETURN to exit the menu.

```
SAMSUNG DIGIT...        Enter
                        Return
DVD Setup
VCR Setup      Clock Set
Language       Installation
Parental       Tape Select   E180
Option         Repeat play   OFF
Program        OSD           ON
```

27

GB

Your DVD-VCR displays most information both on the DVD-VCR and the television.

You can choose to display or hide this information on the television screen (except for the Index, MAIN MENU and Timer functions, which cannot be hidden).

1 Press SETUP on the remote control.
Result: The MAIN MENU is displayed.

2 Press the corresponding ▲, ▼ buttons to select the `VCR Setup` option.

3 Press the ENTER button to select this option.

4 Press the corresponding ▲, ▼ buttons to select the `OSD` menu.

5 **To...   Press ◀ or ▶, until...**

Display on-screen information   `ON` is displayed.

Hide on-screen information   `OFF` is displayed.

6 On completion, press RETURN to exit the menu.

VCR   **Selecting the Recording Speed**

Type	Recording Time (in SP)
E-180	180 mins. or 3 hours
E-240	240 mins. or 4 hours
E-260	260 mins. or 4 hours and 20 mins.
E-300	300 mins. or 5 hours

You can record a cassette at two different speeds:

◆ *SP (Standard Play)*

◆ *LP (Long Play)*

In Long Play modes:

◆ *Each cassette lasts twice as long*

◆ *The recording is of a slightly lower quality*

To record a cassette...   Press the SPEED button on the remote control, until...

In standard play mode   `SP` is displayed.
In long play mode   `LP` is displayed.

GB

Protecting a Recorded Cassette   **VCR**

Video cassettes have a safety tab to prevent accidental erasure. When this tab has been removed, you cannot record on the tape.

1 If you wish to protect a cassette, break off the tab using a small screwdriver.

2 To re-record over a protected cassette (safety tab broken), cover the hole with adhesive tape.
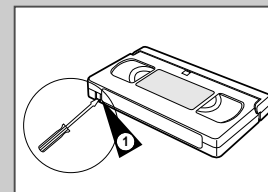
Recording a Programme Immediately   **VCR**

Before recording a programme, you must have preset the corresponding station (unless you are recording via an external video source). If you have not done so, refer to pages 19 and 20.

1 Switch on the television.

2 To monitor the programme being recorded, select the television channel reserved for use with your DVD-VCR (or the AV input if used).

3 Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.
Result: The DVD-VCR is switched on automatically.

4 Select:
◆ The station to be recorded using the PROG/TRK (▲ or ▼) buttons
or
◆ The LINE source using the INPUT SEL. button for a satellite tuner or external video source
Result: The station number is displayed and the programme can be seen on the television.

5 Select the recording speed by pressing the SPEED button as many times as required (see page 28).

6 Hold REC (●) down for a while to start recording.
Result: The record indicator appears on the television and DVD-VCR display. An index is recorded on the tape (see page 38).

7 To stop recording, press ■ once.

➢
◆ If your DVD-VCR ejects the cassette when you start recording, check to make sure that the cassette's safety tab is intact or that the opening (created by a broken safety tab) is covered with adhesive tape.

◆ If you reach the end of the tape while recording, the cassette rewinds automatically.
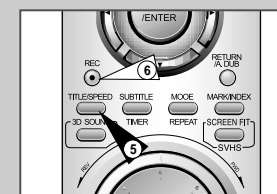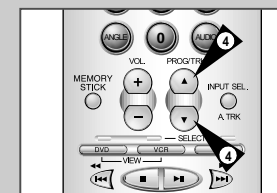
GB

This function enables you to record up to nine hours (LP) of programmes.

Your DVD-VCR stops automatically after the requested length of time.

1   Switch on the television.

2   To monitor the programme being recorded, select the television channel reserved for use with your DVD-VCR (or the AV input if used).

3   Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.
Result: The DVD-VCR is switched on automatically.
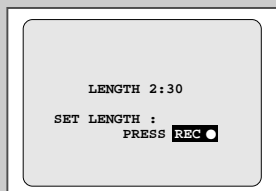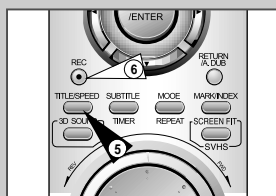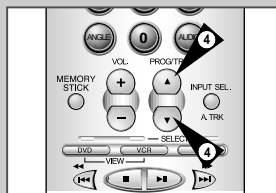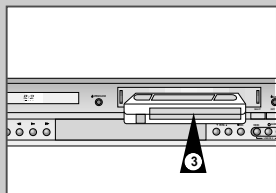
4   Select:
◆   The station to be recorded using the PROG/TRK (▲ or ▼) buttons
or
◆   The LINE source using the INPUT SEL. button for a satellite tuner or external video source
Result: The channel number is displayed and the programme can be seen on the television.

5   Select the recording speed by pressing the SPEED button as many times as required (see page 28).

6   Hold the REC button (●) down for a while to start recording.
Result: The record indicator appears on the television screen and DVD-VCR display. An index is recorded on the tape (see page 38).

7   Press the REC button (●) several times to increase the recording time in:
◆   30-minute intervals up to four hours
◆   1-hour intervals up to nine hours (LP)
Result: The length is displayed on the television displays. The selected programme is recorded for the length of time requested. At the end of that time, the DVD-VCR stops recording automatically.

8   If you wish to cancel the recording before the end, press STANDBY/ON.

☞   If the end of the tape is reached while recording:
◆   The recording stops and power off

```
LENGTH 2:30

SET LENGTH :
        PRESS REC ●
```

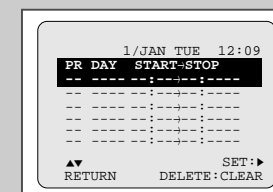
GB

Before presetting your DVD-VCR:
◆   *Switch on both the television and your DVD-VCR*
◆   *Check that the date and time are correct*
◆   *Insert the cassette on which the programme is to be recorded (safety tab intact)*

Up to six programmes can be preset.

1   Press the TIMER button.
Result: The **TIMER METHOD** is displayed.

2   Press the corresponding ▲ or ▼ buttons, until the **G-CODE** option is selected.

3   Press the ENTER button to select **G-CODE**.
Result: A message is displayed to allow you to enter the G-CODE code.
☞   If all six programmes have been set, the message **TIMER IS FULL** is displayed. Refer to page 34 if you wish to cancel a preset recording.

4   Press the numeric buttons to enter the code opposite the pro gramme that you wish to record in your television magazine.
➢   If you wish to correct the G-CODE code that you are entering:
◆   Press the ◄ button until the digit to be corrected is cleared
◆   Enter the correct digit

5   Press the ENTER button.
Result: The information concerning the programme is displayed.
☞   When using the G-CODE function for the first time with stored stations, the programme number flashes. This one time, you must enter the station number manually by pressing the ▲ or ▼ buttons. Refer to the following page if:
◆   The programme number or times flash
◆   You wish to modify the programme

6   If the programme and times are correct, press the RETURN button.

7   Press the STANDBY/ON button to activate the timer.

8   Refer to page 34 if you wish to:
◆   Check that your VCR has been programmed correctly
◆   Cancel a preset recording

☞   The numbers next to each TV programme listing are G-CODE code numbers, which allow you to programme your videorecorder instantly with the remote control. Tap in the G-CODE code for the programme you wish to record.

™ G-CODE is a trademark of Gemstar Development Corporation. The G-CODE system is manufactured under licence from Gemstar Development Corporation.

```
        TIMER METHOD
STANDARD
 G-CODE


RETURN      ▲▼    ENTER
```

```
              G-CODE

CODE ---------



CODE:0-9      CORRECT:◄
RETURN            ENTER
```

```
        1/JAN TUE  12:09
PR DAY  START-STOP
-- ---- --:---+--:----
-- ---- --:---+--:----
-- ---- --:---+--:----
-- ---- --:---+--:----
-- ---- --:---+--:----
▲▼                SET:►
RETURN     DELETE:CLEAR
```
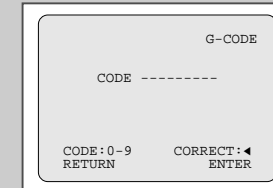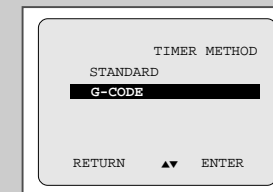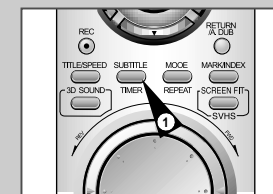
GB

If you wish to correct the programme displayed or modify certain elements, such as the recording speed, you can do so before you press SETUP a second time to confirm.

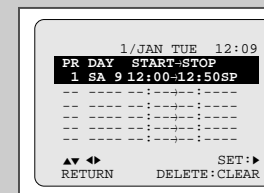| If you wish to...	Then...
Select an input source other than the tuner (LINE IN 1 or LINE IN 2)	◆ Press the ◄ or ► buttons, until the **PR** selection flashes. ◆ Press the INPUT SEL. button one or more times to change the input source selection. Result: The programme number is replaced by: • The LINE IN 1 or LINE IN 2 source using the INPUT SEL. button for a satellite tuner or external video source ➢ The input source must be selected before changing any other value.
Record a programme every day (Monday to Sunday) at the same time	◆ Press the ◄ or ► buttons, until the **DAY** selection flashes. ◆ Press the ▲ or ▼ buttons, until the **DLY** (Daily) value is displayed.
Record a programme every week on the same day and at the same time	◆ Press the ◄ or ► buttons, until the **DAY** selection flashes. ◆ Press the ▲ or ▼ buttons, until the **W-** (Week) value is displayed, followed by the required day. Example: **W-SA** (Weekly Saturday)
Extend the recording time	◆ Press the ◄ or ► buttons, until the **STOP** selection flashes. ◆ Press the ▲ or ▼ buttons to increase or decrease the stop time.

Select the recording speed	◆ Press the ◄ or ► buttons, until the recording speed selection flashes.
	◆ Press the ▲ or ▼ buttons until the correct indication is displayed:
	   • **AUTO** (Auto Tape Speed Select) : see page 33
	   • **SP** (Standard Play)
	   • **LP** (Long Play)

GB

The Timer Programming feature allows you to preset the DVD-VCR to record a programme up to one month before that programme is to be broadcast. Up to six programmes can be preset.

☞   Before presetting a recording, check that the date and time are correct.

1   Insert the cassette and press TIMER on the remote control.
Result: The timer method is displayed.

2   Press the ENTER button to select **STANDARD** option.
Result: The **TIMER PROGRAMMING** menu is displayed.

3   Press ► to select the input source.

4   Select the required station by pressing the ▲, ▼ buttons.

5   Press ► to select the recording day.

6   Select the required day by pressing the ▲ or ▼ buttons.

7   Press ► to select the recording start time.

8   Select the required hour value by pressing the ▲ or ▼ buttons.

9   Press ► to select the minutes.

10   Select the required minute value by pressing the ▲ or ▼ buttons.

11   Press ► to select the recording stop time.

12   Select the required recording stop time by pressing the ▲ or ▼ buttons, following the same procedure as when selecting the recording start time.

13   Press ► to select the recording speed.

14   Press the ▲ or ▼ buttons to select the **SP** (Standard Play), **LP** (Long Play), **AUTO** (Auto Tape Speed Select) recording speeds.

15   When you have finished, press the RETURN button.

16   Press the STANDBY/ON button to activate the timer.
Result: Before starting recording, the DVD-VCR compares the timer duration with the remaining time on the cassette.

➢   Auto Tape Speed Select. The DVD-VCR's "Auto Tape Speed Select" function compares the duration of the timer recording to the actual recording time remaining on the tape loaded. If there is insufficient tape to complete a timer recording in AUTO mode, the DVD-VCR automatically switches to LP mode to record the whole programme.

```
              TIMER METHOD
  STANDARD
     G-CODE


  RETURN      ▲▼    ENTER
```

```
           1/JAN TUE  12:09
  PR DAY  START-STOP
   1 SA 9 12:00→12:50SP
  -- ---- --:---→--:----
  -- ---- --:---→--:----
  -- ---- --:---→--:----
  -- ---- --:---→--:----
  ▲▼ ◄►                SET:►
  RETURN      DELETE:CLEAR
```
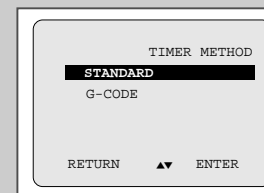
VCR **Checking a Preset Recording**

```
        1/JAN TUE  12:09
PR DAY  START-STOP
 1 SA 9 12:00→12:50SP
-- ---- --:-→--:----
-- ---- --:-→--:----
-- ---- --:-→--:----
-- ---- --:-→--:----
-- ---- --:-→--:----

▲▼ ◄►
RETURN    DELETE:CLEAR
```
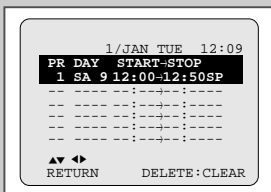
You can check your preset recordings:

◆ *When you have finished presetting the DVD-VCR*

◆ *If you have forgotten which programmes will be recorded*

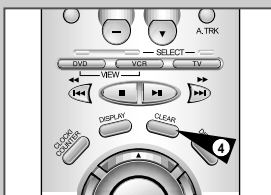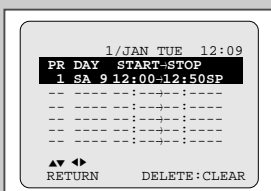**1** Press TIMER on the remote control.
Result: The timer method is displayed.

2 Press the ENTER button to select **STANDARD** option.
Result: The **TIMER PROGRAMMING** menu is displayed.

3 Press the ▲ or ▼ buttons to select the required programme.

4 Press the ◄ or ► buttons to select and change any values as required. For more details, refer to the previous page.

5 On completion, press RETURN.

VCR **Cancelling a Preset Programme**

```
        1/JAN TUE  12:09
PR DAY  START-STOP
 1 SA 9 12:00→12:50SP
-- ---- --:-→--:----
-- ---- --:-→--:----
-- ---- --:-→--:----
-- ---- --:-→--:----
-- ---- --:-→--:----

▲▼ ◄►
RETURN    DELETE:CLEAR
```

You can cancel any programmes that are:

◆ *Incorrect*

◆ *No longer required*

1 Press TIMER on the remote control.
Result: The timer method is displayed.

2 Press the ENTER button to select **STANDARD** option.
Result: The **TIMER PROGRAMMING** menu is displayed.

3 Select the programme to be cancelled by pressing the ▲ or ▼ buttons.

4 Press the CLEAR button to cancel the selected programme.
Result: All the recording information is deleted and the broad-cast will not be recorded.

5 On completion, press RETURN.

34

VCR **Playing a Cassette**

This function allows you to play back any pre-recorded cassette.

1 Switch on both the television and your DVD-VCR.

2 Insert the video cassette to be played. If the safety tab on the cassette is intact, press ►II.
Otherwise, the cassette is played automatically.

➢ When a cassette is loaded, the tape position is optimized automatically to reduce disturbance (Digital Auto Tracking).
When playing a cassette, if the end of the tape is reached, the cassette is rewound automatically.
NTSC tapes can be played back but cannot be recorded with this DVD-VCR.

3

To...	Then press...
Stop the playback	■ (STOP).
Eject the cassette	▲ (EJECT).
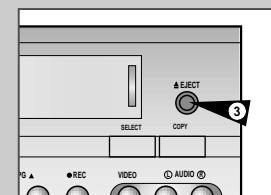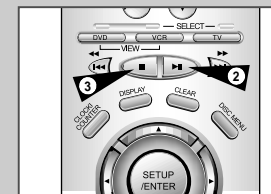
Adjusting Picture Alignment Automatically **VCR**

The Picture Alignment feature enables you to optimize the tape position automatically to obtain the best possible picture.

When noise bars or streaks appear during playback, adjust picture alignment by pressing the A.TRK button.

Result: ◆ The tracking bar appears.
◆ The picture is automatically adjusted.
◆ The tracking bar disappears when digital auto tracking has been completed.
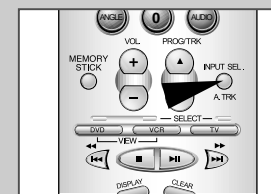
Adjusting Picture Alignment Manually **VCR**

The Picture Adjustment feature allows you to adjust the alignment manually to obtain the best possible picture.

When noise bars or streaks appear during playback, adjust alignment manually by pressing the PROG/TRK (▲ or ▼) buttons until the picture is clear and stable.

Result: ◆ The tracking bar appears.
◆ The image is adjusted.
◆ The tracking bar disappears when you release the button.
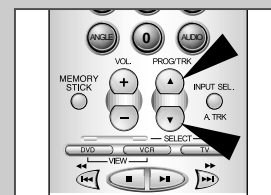
35

VCR Selecting the Audio Output Mode
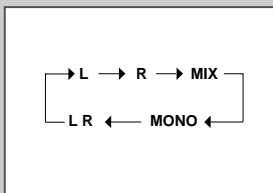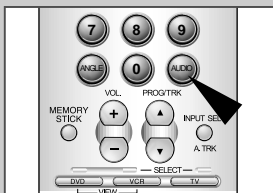
You can select the mode in which the sound is reproduced on the loudspeakers and AV outputs. The following options are available.

Option	Description
L	Used to listen to the sound on the left Hi-Fi channel.
R	Used to listen to the sound on the right Hi-Fi channel.
MIX	Used to listen to the mixed sound of the Hi-Fi and normal channels.
MONO	Used to listen to the sound on the normal mono channel.
L R	Used to listen to Hi-Fi stereo sound on the left and right channels.

➢ When playing back tapes recorded in Hi-Fi, the sound switches to Hi-Fi after five seconds of Mono.

➤ L ➙ R ➙ MIX

L R ⟵ MONO ⟵

To select the sound mode, simply press the AUDIO button on the remote control until the required option is displayed.

VCR Playing a Cassette in Slow Motion

You can play a cassette in slow motion.

➢ No sound is heard when playing back a cassette in slow motion.

1 Press:
◆ ►II to start playing the cassette
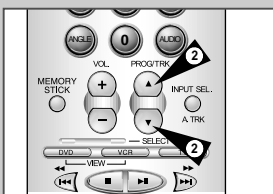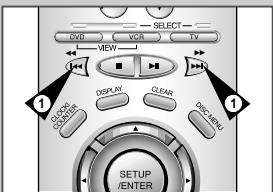◆ ►II button one more time to make STILL mode.
◆ ►► to start SLOW mode.
◆ ►► or ◄◄ button as many times as required to decrease or increase the speed respectively
◆ To return to the normal speed, press the ►II button twice.

2 When playing back in slow motion, picture interference may occur. Press the PROG/TRK (▲ or ▼) buttons to minimize this effect.

☞ When you have been using the Slow Motion function for more than about five minutes, the DVD-VCR will automatically play to protect the:
◆ Cassette
◆ Video heads

Playing a Sequence Frame by Frame **VCR**

You can:
◆ *Stop the cassette at a given frame (image)*
◆ *Advance one frame at a time*

➤ No sound is heard when playing back frame by frame.

1 Press:
◆ ►II to start playing the cassette
◆ ►II to still the tape at a given frame
◆ Turn the JOG Dial to advance frame by frame

2 To return to normal playback, press ►II.

☞ When you have been using the Frame-by-Frame function for more than about five minutes, the DVD-VCR will automatically play to protect the cassette and video heads.

➤ Vertical stability: When playing back frame by frame, interference may be seen on the screen. Press the PROG/TRK buttons to minimize this effect.

Playing a Sequence at Variable Speeds **VCR**

You can vary the playback speed using the Shuttle function (up to nine times the normal speed).
Example: You wish to analyze a sportsperson's technique, movement by movement.
The Shuttle function is available on the Remote control

➤ No sound is heard when playing a sequence at variable speeds.

1 Press:
◆ ►II during playback
◆ Turn the SHUTTLE dial to left to play the cassette backwards.
◆ Turn the SHUTTLE dial to right to play the cassette forwards.

VCR   Picture Search, Fast Forward/Rewind

Picture Search enables you to Fast Forward or Rewind and look for a particular part of a tape.

1 Press PLAY, the VCR will enter normal play mode. While in play, press and release the ►► (or ◄◄) button. The VCR will search at 5 times the normal playback speed.

2 To return to normal playback mode, press the ►❙❙ button.

3 If you press and HOLD down the ►► (or ◄◄) button the VCR will search at 9 times the normal speed. Releasing the ►► button will return the VCR to search at 5 times the normal speed. To return to normal playback mode, press the ►❙❙ button.

4 Whilst in Picture Search mode, if you press the ►► button again, the VCR will enter normal Fast Forward mode.

5 Likewise, whilst in Picture Search ◄◄ mode, if you press the ◄◄ button again, the VCR will enter normal Rewind mode.

6 If, when Rewinding (◄◄) or Fast Forwarding (►►), you press the ◄◄ (or ►►) button, the VCR will enter the Picture Search mode.

VCR   Searching for a Specific Sequence

Each time you record a cassette on this VCR, an "index" is automatically marked on the tape when recording starts.

The Search function allows you to fast-forward or rewind to a specific index and start playback from that point. Depending on the direction selected, the indexes are numbered as follows:

	Prev Seq.	Seq. being played	Next Seq.	
etc.				etc.
	2	1	1	2

➤ This VCR uses a standard indexing system (VISS). As a result, it will recognize any indexes marked by other VCRs using the <u>same</u> system and vice versa.

INTRO SCAN

1 To search for a specific index, press INDEX.

2 Press the ◄◄ or ►► buttons depending on the direction where your desired programme is located.

3 When an Index mark is found the VCR will playback the tape for 5 seconds, after which it will continue searching for the next Index mark.

4 If you want to watch the tape from a particular Index, simply press ►❙❙.

Index Skip Search:
This feature will enable you to fast forward/rewind to a specific point on a tape: E.g. if you have recorded 3 different programmes on a tape and you have rewound the tape to the beginning, by using this feature you can go directly to the start of programme 2 simply by pressing the INDEX button.

1 Press the INDEX to start the Index search.

2 Press the ◄◄ or ►► buttons twice more. This will take you directly to the start of the desired programme is located.

3 These Index searches can be made forwards: (press ►►) or backwards: (press ◄◄).

4 To cancel an Index search simply press the ►❙❙ or ■ button.

Using the Tape Counter   VCR

The tape counter:

◆ *Indicates the elapsed time in the play and record modes (hours, minutes and seconds)*
◆ *Is reset when a cassette is inserted in the DVD-VCR*
◆ *Allows you to find the beginning of a sequence easily*

☞ If the remaining time is to be calculated correctly, you must indicate the type of cassette being used.

0:00:00

1 Insert a cassette in your DVD-VCR.

2 To set the tape counter to zero at the beginning of a sequence:
◆ Press DISPLAY twice to display the counter
◆ Press CLEAR when you want to set the tape counter to zero

3 When you are ready,
◆ Start playback or Recording.
◆ Press the ■ button.
◆ To fast-forward or rewind to the sequence at which the counter was set to zero, press ◄◄ or ►►.

➤ Some DVD-VCR information, such as the counter, can be displayed on the television screen (unless you have deactivated the OSD mode; refer to page 28).

Press DISPLAY:
◆ Once to display the current function, programme number, recording speed, date, time and counter
◆ Twice to display the counter only
◆ Three times to display the time remaining on the cassette
◆ Four times to clear the display
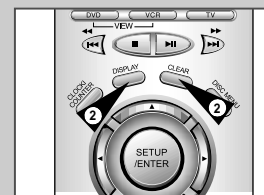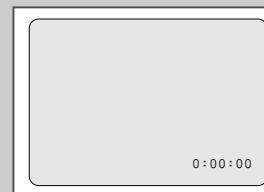
VCR   **Connecting an RCA Audio/Video Input Cable**

GB
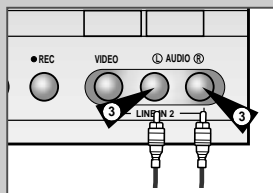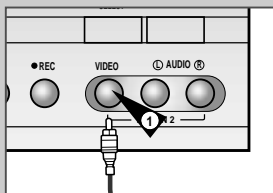
You can connect other audio/video equipment to your DVD-VCR using audio/video cables if the appropriate outputs are available on the equipment chosen.

Examples: ◆ *You wish to copy a video cassette with the help of a second VCR (see page 41).*

◆ *You wish to play back and/or copy pictures taken with a camcorder (see page 41).*

☞ ◆ Make sure that both the television and the DVD-VCR are switched off before connecting the cables.

1 Connect one end of the RCA audio/video cable into the VIDEO socket on the Front of the DVD-VCR.

2 Plug the other end of the audio/video cable into the appropriate output connector on the other system (VCR or camcorder).

3 Connect one end of the RCA audio cable into the AUDIO sockets on the Front of the DVD-VCR.

➢ Take care to respect the colour coding of the left and right channels.

4 Plug the other end of the audio cable into the appropriate output connectors on the other system (VCR, camcorder or Hi-Fi sound system).


Using the Assemble Edit Function   **VCR**

GB

This function allows you to start a new recording at a specific position on the cassette while maintaining a very smooth scene change.

1 Insert the cassette to be edited in your DVD-VCR.

2 Press the ►II button to start playback.

3 When you reach the position from which you wish to start the new recording, press the ►II button.

4 Turn the JOG Dial again as often as necessary to advance frame by frame, until the exact recording position is located.

5 While the DVD-VCR is in still mode, hold the REC button (●) down for a while to activate the Assemble Edit function.
Result: Record symbol flashes in the display.

6 Select the source from which you wish to record by pressing:
◆ The PROG/TRK (▲ or ▼) buttons for television channels
◆ The INPUT SEL. button for the LINE input sources

7 Press the ►II button to start recording.

8 When you have finished recording, press ■ .
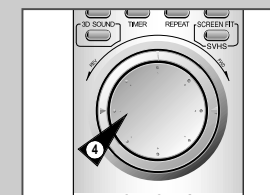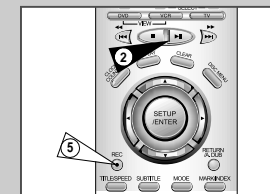
Recording from Another VCR or Camcorder   **VCR**

You can copy a cassette to your DVD-VCR from another video source, such as another VCR or a camcorder.

☞ It is an infringement of copyright laws to copy prerecorded cassettes or to re-record them in any form without the permission of the owners of the corresponding copyright.

1 Connect the DVD-VCR, from which the cassette is to be copied, to the appropriate RCA audio and video input connectors on the rear of your DVD-VCR, as indicated on page 11.

2 Insert a blank cassette in your DVD-VCR.

3 Insert the pre-recorded cassette in the other video source (VCR or camcorder).

4 Press the INPUT SEL. button to select the appropriate input on your DVD-VCR: LINE IN for the RCA input

5 Start playing back the cassette to be copied.

6 Hold REC (●) down for a while to start recording on your DVD-VCR.

7 When you have finished recording, press ■ on both VCR and DVD-VCR.

➢ If you wish to view the cassette being copied:
◆ Your DVD-VCR must be connected as usual to the television (see page 11 for further details)
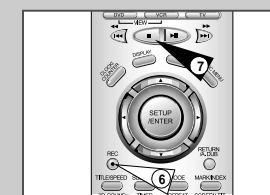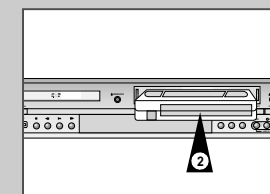
GB
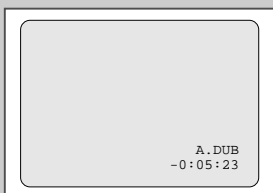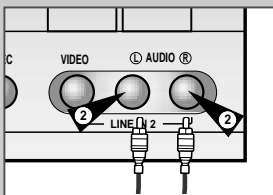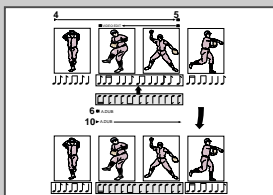
With the Audio Dubbing function, you erase the previously recorded sound and replace it with a new soundtrack from:

◆ *A CD, DVD*

◆ *A microphone connected to a sound system*

◆ *A cassette player*

Restriction:

Audio dubbing is applicable only to the longitudinal audio track (normal audio).

1 Connect an RCA audio cable to the appropriate output on your sound system (cassette player for example).

2 Connect the other end of the RCA audio cable to the audio input connectors (L, R) on the Front of your DVD-VCR.

3 Insert the pre-recorded cassette on which the audio track is to be replaced, and press the ►II to start playback.

4 Search for the Audio Dubbing (ending) point using the ►►, and set the counter to 0:00:00 by pressing CLOCK/COUNTER and CLEAR.

5 Search back slightly beyond the Audio Dub start point using the ◄◄ button.

6 Press the ►II button.
Press the ►II button one more time to make STILL mode.

7 Press A.DUB.
Result: Your DVD-VCR is now in the Audio dubbing Still mode.

8 Press the INPUT SEL. button to select Audio dubbing source.
ex) If you want to dub external cassette player, then select LINE.

9 On the sound system, locate the point on the cassette at which you wish to start playback.
Example: The track that you wish to record on the cassette.

10 When you are ready:
◆ Start playback on the sound system
◆ Press the REC on the remote control.
Result: The soundtrack is replaced on the pre-recorded cassette.

11 The audio dubbing will finish when the counter reaches 0:00:00.

➣ The new sound will be recorded on the normal sound track of the tape, and the original sound will remain on the Hi-Fi sound track. To hear the new sound and original sound mixed together, press the Audio button on the remote control until the MIX option is displayed (see page 36).

Select LINE by pressing the INPUT SEL button until you hear the sound you want to dub.

```
A.DUB
-0:05:23
```

GB

Your DVD-VCR remote control will work with Samsung televisions and compatible brands.

To determine whether your television is compatible, follow the instructions below.

1 Switch your television on.

2 Point the remote control towards the television.

3 Hold down the TV button and enter the two-figure code corresponding to the brand of your television, by pressing the appropriate numeric buttons.

Brand	Codes	Brand	Codes
SAMSUNG	01 to 06	PHILIPS	02, 20, 22
AKAI	09, 23	SABA	13, 14, 22 to 24
GRUNDIG	09, 17, 21	SONY	15, 16
LOEWE	02	THOMSON	13, 14, 24
PANASONIC	08, 23 to 27	TOSHIBA	07, 16 to 19, 21

Result: If your television is compatible with the remote control, it will switch off. It is now programmed to operate with the remote control.

➣ If several codes are indicated for your television brand, try each one in turn until you find one that works.

☞ When you change the batteries in the remote control, you must reprogramme the code, following the same procedure.

You can then control the television using the following buttons.

Button	Function
STANDBY/ON ①	Used to switch the television and DVD-VCR on and off.
TV or VCR ②	Used to switch between the TV and VCR modes.
INPUT SEL. ③	Used to select an external source.
VOL **+** or **−** ④	Used to adjust the volume of the television.
PROG/TRK ⑤ (▲ or ▼)	Used to select the required programme.
TV MUTE ⑥	Used to mute the volume of the television.

➣ The various functions will not necessarily work on all televisions. If you encounter problems, operate the television directly.
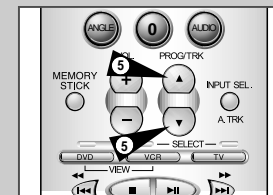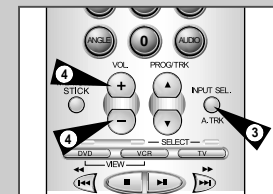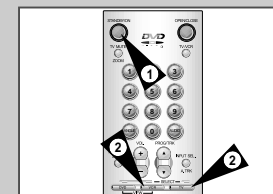
VCR   **SQPB (Super VHS Quasi Playback)**

This function is for playback of Super VHS format tapes only, not for recording.

1   Inset the SVHS format tape that you want to see.

2   Press PLAY (▶II) to start playing the cassette.

3   Press SVHS button to start SQPB.

☞   If the SQPB is on during normal playback, the video output is distorted.

Choosing a Connection   **DVD**

The following show examples of connections commonly used to connect the DVD player with a TV and other components. It is only available for DVD. The VCR out can not watch by this connection.

(**Connection to an Audio System**)   (**Connection to an Television**)

Television
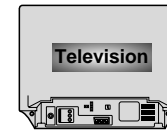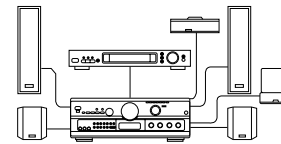
Dolby Digital Decoder
Digital Audio Input Jack

OPTICAL   COAXIAL

or

DIGITAL AUDIO OUT
OPTICAL   COAXIAL

DVD-VCR

S-VIDEO OUT

Digital Audio out
Jack
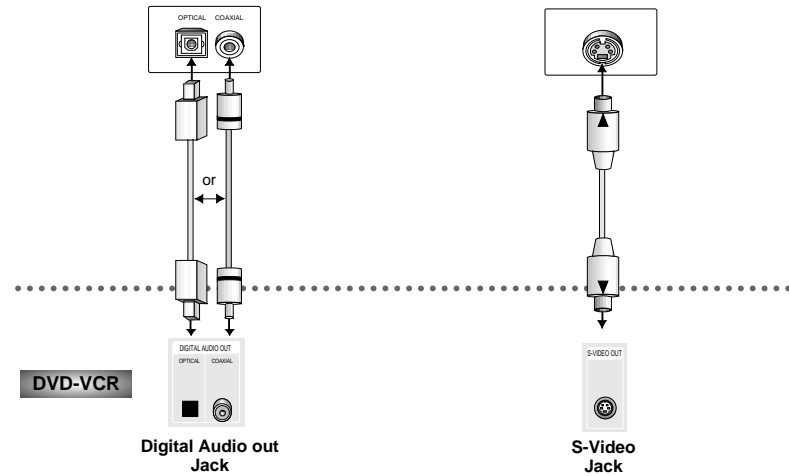
S-Video
Jack

DVD | **Playing a Disc**

GB

Before Playback :

◆ *Turn on a TV and press the TV/VCR button to select video mode.*

◆ *Turn on your Audio System and select AUX, CD or DVD.*

◆ *Refer to your AUDIO User's Manual.*

1 Press the OPEN/CLOSE button.

2 Place a disc gently into the tray with the disc's label facing up.

3 Press the ►II (PLAY/STILL) button or OPEN/CLOSE button to close the disc tray.

☞ **RESUME function :**
When you stop disc play, the player remembers where you stopped, so when you press PLAY again, it will pick up where you left off (unless the disc is removed, the STOP button is pressed twice or the player is unplugged.).

➢ ◆ If the player is left for 5 minutes in still mode, it will stop.
◆ This icon indicates an invalid button press.

➢ **Before using the DVD operation, press the DVD button on the remote control to watch and select DVD.**

1 Stopping Playback. Press the STOP button during playback.

2 Removing Disc. Press the OPEN/CLOSE button.

3 Stilling Playback.
Press the ►II (PLAY/STILL) button on the remote during playback.
◆ Screen stops, no sound.
◆ To resume again, press ►II (PLAY/STILL) button once again.

4 Step Motion Playback (Except CD)
Turn the JOG dial the remote during stilling playback.
◆ Each time the button is pressed, a new frame will appear.
◆ No sound is heard during STEP mode.
◆ Press ►II (PLAY/STILL) to resume normal playback.
(You can only perform step motion playback in the forward direction.)

5 Slow Motion Playback (Except CD)
Press the ►► button on the remote during STILL or STEP mode.
◆ By pressing the ►► button, you can select slow motion playback for 1/2, 1/4 or 1/8 of normal speed.
◆ No sound is heard during slow mode.
◆ Press ►II (PLAY/STILL) to resume normal playback.
◆ When playing, the reverse slow motion playback will not work.

Using the Search & Skip Functions | **DVD**

GB

During playback, you can search quickly through a chapter or track or use the skip function to jump to the next selection.

1 During playback, press the ►► or ◄◄ button on the remote.
◆ Press the ►► or ◄◄ button on the remote and press again to search at a faster speed(2X/4X/8X/16X/32X/128X in order) on the DVD.
◆ Press the ►► or ◄◄ button on the remote and press again to search at a faster speed(2X/4X/8X in order) on VCD and CD.
◆ To return to normal speed playback, press the ►II (PLAY/STILL) button.

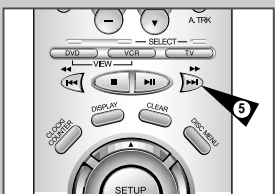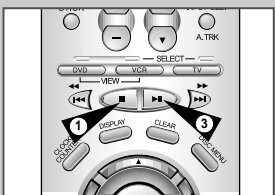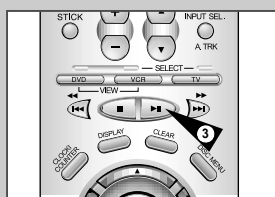**2** During playback, press the ►►I (NEXT SKIP) or I◄◄ (BACK SKIP) button.
◆ When playing a DVD, if you press the ►►I (NEXT SKIP) button, it moves to next chapter. If you press the I◄◄ (BACK SKIP) button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.
◆ When playing a VCD 2.0 in MENU OFF mode, a VCD 1.1 or a CD, if you press the ►►I (NEXT SKIP) button, it moves to next track. If you press the I◄◄ (BACK SKIP) button, it moves to the the beginning of the track. One more press makes it move to the beginning of the previous track.
◆ If a track exceeds 15 minutes when playing a VCD and you press the ►►I (NEXT SKIP) button, it moves forward 5 minutes. If you press the BACK SKIP button, it moves backward 5 minutes.

➢ ◆ When in search mode (8X/16X/32X/128X) on a DVD or high-speed playback on a VCD, no sound will be heard.
◆ Depending on the disc, audio may not be heard when a disc is in 2X playback mode.
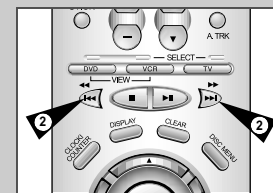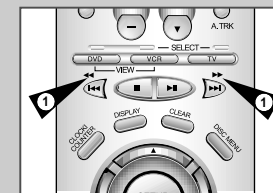
DVD | **Player Menu Language**

Follow these steps to choose preferred language for player menus. The DVD-VCR will automatically default to the language you choose if it is available on a given DVD.

1   Open "SETUP MENU"
With the DVD in stop mode, press the SETUP button.

2   Select "Language"
Using the up and down buttons, move the selection cursor to "Language," then press ENTER to select.

3   Select "Player Menu"
Move the selection bar to "Player Menu," then press ENTER to select.

4   Set "Player Menu Language" Preference
Move the Selection bar to your preferred language for "Player menu" disc menus, then press ENTER to select.

DVD | **Disc Menu Language**
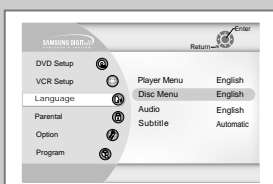
Follow these steps to choose your preferred language for DVD disc menus. The DVD-VCR will automatically default to the language you choose if it is available on a given DVD.

1   Open "SETUP MENU"
With the DVD in stop mode, press the SETUP button.

2   Select "Language"
Using the up and down buttons, move the selection cursor to "Language," then press ENTER to select.

3   Select "Disc Menu"
Move the selection bar to "Disc Menu," then press ENTER to select.

4   Set "Disc Menu Language" Preference
Move the selection bar to your preferred language for DVD disc menus, then press ENTER to select.

➢   *How to make the SETUP MENU disappear or return to menu screen during setup; press RETURN button.*

Audio Language | **DVD**

Follow these steps to choose your preferred language for DVD audio soundtracks. The DVD-VCR will automatically default to the language you choose if it is available on a given DVD.

1   Open "SETUP MENU"
With the DVD in stop mode, press the SETUP button.

2   Select "Language"
Using the up and down buttons, move the selection cursor to "Language," then press ENTER to select.

3   Select "Audio"
Move the selection bar to "Audio," then press ENTER to select.

4   Set "Audio Language" Preference
Move the selection bar to your preferred language for DVD audio soundtracks, then press ENTER to select.

➢   *If the selected language is not recorded on the disc, the original pre-recorded language is selected.*

Subtitle Language | **DVD**

Follow these steps to choose your preferred language for DVD subtitles. The DVD-VCR will automatically default to the language you choose if it is available on a given DVD.

1   Open "SETUP MENU"
With the DVD in stop mode, press the SETUP button.

2   Select "Language"
Using the up and down buttons, move the selection cursor to "Language," then press ENTER to select.

3   Select "Subtitle"
Move the selection bar to "Subtitle," then press ENTER to select.

4   Set "Subtitle Language" Preference
Move the selection bar to your preferred language for DVD subtitles, then press ENTER to select.

➢   *If the selected language is not recorded on the disc, the original pre-recorded language is selected.*

DVD   **Setting Up the Parental Control**
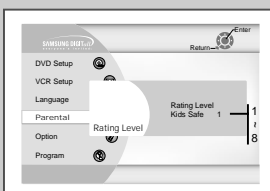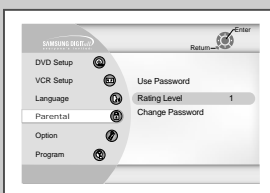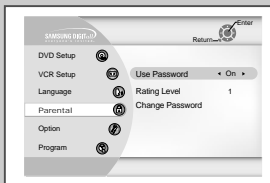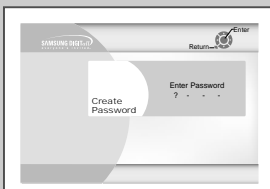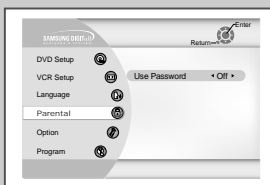
Rating Control is a password protected system that allows you to block playback of DVDs based on their content. The system uses an eight level rating system.
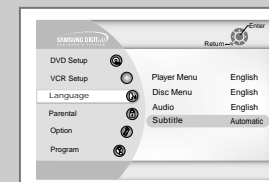*• If you try to play a DVD that exceeds the selected rating, an error message will appear.*
• Not all discs are rated.

1   Open "SETUP MENU"
With the DVD in stop mode, press the SETUP button.

2   Select "Parental"
Using the up and down buttons, move the selection cursor to "Parental," then press ENTER to select.

3   Select "Use Password"
Move the selection arrow to "Use Password," then press the right/left button to select from the following options:

- Off - Indicates that no password is required to view any DVD disc or to change Rating Control options. No additional Rating Control settings are necessary.
- On – Indicates that a password is required to view some DVD discs and to view Rating Control options. The menu will change as shown.

NOTES:
- The first time "Enter Password" is set to "On," you will be prompted to enter a password.
- If the "Enter Password" screen appears, then "Re-enter Password" has already been set to "Yes." Please skip to Step 5.

4   Enter Password
Enter a 4-digit password using the 0–9 buttons on the remote control.
- Write your password down, and keep it in a safe place in case you need it to change your settings later.

5   Select "Rating Level"
Move the selection bar to "Rating Level," then press ENTER to select.

6   Change Rating Level
Use the up/down buttons to select one of the following ratings:

• Level 8 Adult	• Level 4
• Level 7	• Level 3
• Level 6	• Level 2
• Level 5	• Level 1 Kids Safe

All ratings above the level you select will also be blocked, e.g., if you block Level 6, then Levels 7 and 8 will also be blocked. Press ENTER to confirm your selection.
• If you forgot your password, press power on from a cold start with no disc in the unit. Press the REW and F.F buttons simultaneously on the front panel for 5 seconds.

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Setting Up the DVD Setup Menu   **DVD**

1   With the unit in Stop mode, press the SETUP button on the remote.
Result: The MAIN MENU is displayed.

2   Press the corresponding ▲, ▼ buttons to select the **DVD Setup** option.

3   Press the ENTER button to select this option.

4   Use the ▲ or ▼ buttons to select the desired item. Then press the ◀ or ▶ buttons.

- **Digital Output**
  PCM : Converts to PCM(2CH) audio.Select PCM when using the Analog Audio Outputs.
 **Bitstream :** Converts to Dolby Digital Bitstream (5.1CH). Select Bitstream when using the Digital Audio Output.

NOTE : Be sure to select the correct Digital Output or no audio will be heard.

- **DTS**
  Off : Doesn't output digital signal.
  On : Outputs DTS Bitstream via digital output only. Select DTS when connecting to a DTS Decoder.

- **Dynamic Compression**
  On : To select dynamic compression..
  Off : To select the standard range.

- **TV Aspect**
  Depending on the type of television you have, you may want to adjust the screen setting (aspect ratio).
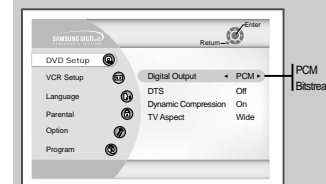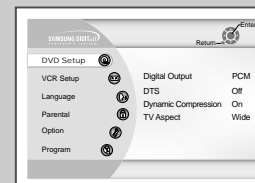
➤ • *How to make the DVD SETUP disappear or return to menu screen during set up: Press RETURN button.*
  • *Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.*
  • *"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.*

➤ *Digital Bitstream*
  • *Dolby Digital*
  • *MPEG2*

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OR
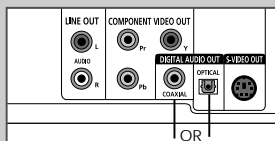
To Digital Audio Input of an A/V
Receiver with a Digital Decoder

*To take full advantage of the movie theater experience that DVD
offers, you may want to connect your DVD-VCR to a complete
Surround Sound system, including an A/V Receiver and six
Surround Sound speakers.*

Before You Begin...

- *If your A/V receiver is equipped with a Dolby Digital Decoder,
  you have the option to bypass the DVD-VCR's built-in Dolby
  Digital Decoder. Use the DIGITAL AUDIO OUT connection
  below.*

1   Digital Audio Out
Connect EITHER an optical cable OR a digital coaxial cable from
the DIGITAL AUDIO OUT jacks on the back panel of the DVD-VCR
to their corresponding Digital Audio Input jacks on your A/V
Receiver:

- Optical
- Coaxial
- Use whichever connection is available on your A/V Receiver.

*During DVD/CD playback you can select from the following
special playback options. To resume normal playback, press the ►II
(Play/Still) button.*

1   Still
Press the ►II (Play/Still) button on the remote control during
playback.

- The picture will still and the audio will mute.
- To resume playback, press the ►II (Play/Still) button.
- If the player is left in Still mode for 5 minutes, it will stop
  automatically.

2   Frame Advance (Step)
While in Still mode, turn the JOG dial on the remote control to
advance one frame at a time.

- Audio is muted during Frame Advance mode.
- Press ►II (Play/Still) to resume normal playback.
  NOTE: Frame Advance operates only in the forward direction.

3   Skip Forward/Back
While a CD or DVD disc is in Play mode, press the Skip
Forward/Back (►►I / I◄◄) buttons on the remote control or front
panel to jump forward and backward through disc chapters/tracks.

- Skip Forward will jump to the next chapter/track.
- Skip Back will jump to the beginning of the current chapter/track.
- Press Skip Back again to jump to the beginning of the previous
  chapter/track.

Search Forward/Back
While a disc is in Play mode, press and hold the Forward/Back
(►► / ◄◄) buttons on the remote control or front panel to visually
search forward/backward at 2X - 4X - 8X - 16X - 32X - 128X speed.
Press ►II (Play/Still) button to resume normal speed.

4   Slow Motion
During playback, press the ►II (Play/Still) button to Still the image.
Then use the Search Forward (►►) to play in slow motion at
variable speeds.

- Each press increases the slow motion speed playback to 1/8, 1/4
  or 1/2 normal speed.
- Audio is muted during slow motion playback.
- Front Panel Slow Motion Buttons - Press and hold the Forward
  buttons on the front panel to activate slow motion playback.
  Press the ►II (Play/Still) button to resume normal playback.

5   Stop/Resume
- Press the Stop button once to stop playback. To resume the
  DVD/CD from the point where the disc stopped, press the ►II
  (Play/Still) button.
- Press the ■ (Stop) button twice to completely stop playback.
  The next time you press ►II (Play/Still), the disc will start over
  from the beginning.
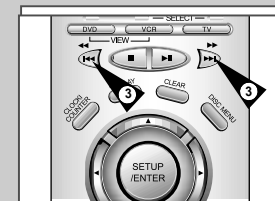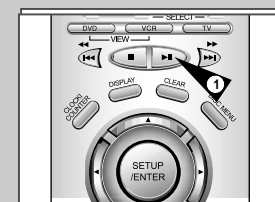
DVD   **Using the Display Function (DVD/VCD/CD)**

DVD

Display

Title	02 / 02	**Subtitle**	Off
Chapter	01 / 01	**Angle**	1 / 1
Time	00 : 01 : 58	**Repeat**	Off
Audio	ENG 5.1CH	**3D**	Off

VCD/CD

Display

Track	2 / 2
Time	00 : 04 : 23
Audio	Stereo
Repeat	Off
3D	Off
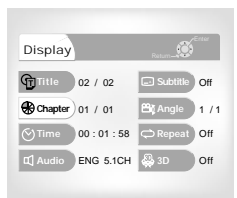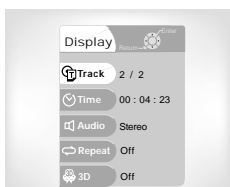
When Playing a DVD

1   During play, press the DISPLAY button on the remote.

- Current title, chapter number, elapsed time, audio, subtitle, angle, repeat and 3D sound will be displayed.

• Use the NUMBER buttons to enter a different title, then press the ENTER button.

• Use the ◀, ▶ or NUMBER buttons to enter a chapter number, then press the ENTER button.

• To enter the time from which you want to start, use the ▲ or ▼ buttons to select, then use the NUMBER buttons to enter the time. Then press the ENTER button.

• To make the screen disappear, press the DISPLAY button again.

When Playing a CD/VCD

1   During play, press the DISPLAY button on the remote.

- Current track NUMBER, elapsed time, audio, repeat and 3D sound will be displayed.

• Use the ▲ or ▼ buttons to select a track. Use the ◀, ▶ buttons or NUMBER buttons to enter a different track number, then press the ENTER button.

• To enter the time from which you want to start, use the ▲ or ▼ buttons to select, then use the NUMBER buttons to enter the time. Press the ENTER button.

- To make the screen disappear, press the DISPLAY button again.

➢   *What is a Chapter?*
Each Title on a DVD is usually divided into chapters (similar to tracks on an audio CD).

What is a Title?
A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title.

Repeat Play

DVD

You can repeat a single chapter, or repeat a complete title.

1   Open Repeat Menu
In Play mode, press the REPEAT button to open the Repeat menu.
• The current Repeat Mode will highlighted.

2   Select "Chapter"
Press the left/right buttons to select "Chapter".
• "Chapter" will highlight when Chapter Repeat is selected.

3   Repeat Chapter
Press the ENTER button to repeat the current chapter.

4   Select "Title"
Press the left/right buttons to select "Title".
• "Title" will highlight when Title Repeat is selected.

5   Repeat Title
Press the ENTER button to repeat the title.
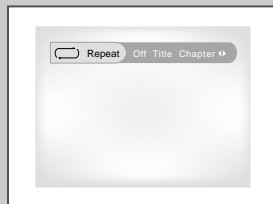
➢   • *DVD repeats play by chapter or title, CD and VCD repeat play by disc or track.*
   • *Depending on the disc, the Repeat function may not work.*
   • *When in VCD 2.0 mode (MENU ON mode), this function does not work.*

Repeat   Off Title Chapter

DVD **Program Play (DVD/VCD/CD)**
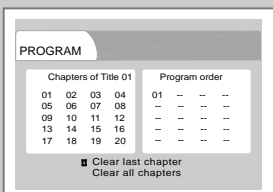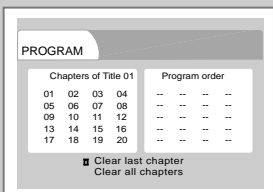
Programmed Playback lets you set a custom order for playback of chapters/tracks on a DVD or CD.

1 **Open Playback Mode Menu**
While in Stop mode, press the MODE button.

2 **Select "PROGRAM"**
Using the left/right buttons, move the selection bar to "PROGRAM" then press ENTER to select.

3 **Select Chapter/Track**
Press the up/down and left/right buttons to select the first chapter/track in your revised playback list, then press the ENTER button.

4 **Program Playback Order**
Use the up/down and left/right buttons to select the remaining chapters/tracks, pressing Enter after each.
• Press the CLEAR button to change selections.

5 **Play Revised Order**
Press the ▶Ⅱ (Play/Pause) button. The disc will play back in the custom programmed order.
• While in playback mode, press the CLEAR button on the remote control to cancel Programmed Play.

PROGRAM

| Chapters of Title 01				Program order			
01	02	03	04	--	--	--	--
05	06	07	08	--	--	--	--
09	10	11	12	--	--	--	--
13	14	15	16	--	--	--	--
17	18	19	20	--	--	--	--

Clear last chapter
Clear all chapters

PROGRAM

Chapters of Title 01				Program order			
01	02	03	04	01	--	--	--
05	06	07	08	--	--	--	--
09	10	11	12	--	--	--	--
13	14	15	16	--	--	--	--
17	18	19	20	--	--	--	--

Clear last chapter
Clear all chapters

DVD **Random Play (DVD/VCD/CD)**
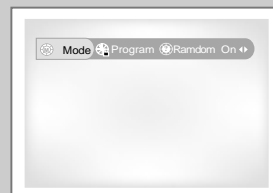
DVD Random Playback lets the DVD-VCR set a random order for playback of chapters/tracks on a DVD or CD.

1 **Open Playback Mode Menu**
In Stop mode, press the MODE button.

2 **Select "RANDOM"**
Using the left/right buttons, move the selection arrow to "Random On," then press ENTER to select.
The disc will playback automatically in random order.

3 **Cancel Random Play**
Press the CLEAR button on the remote control to cancel Random Play.

Mode Program Random On

➤ • *Depending on the disc, the program and Random Play function may not work.*
• *When in VCD2.0 mode (MENU ON mode), these functions do not work.*

SCREEN FIT Play **DVD**

1 During play, press SCREEN FIT button on remote control.
- Screen Fit will not work when the Zoom mode is active. (you can not remove the black bars on the screen) However, Zoom mode will work when Screen Fit is active.

➤ • *Various aspect ratios are available only in multiple screen format discs.*
• *This function does not work when a DVD has been recorded with a multi-camera angle format.*
• *On some DVDs, the black bars cannot be eliminated due to their aspect ratio.*
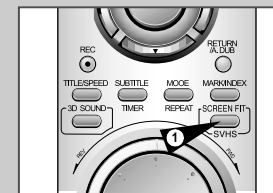
Disc Menu Navigation **DVD**

Many DVDs feature their own menu systems, where you can select Titles, Chapters, Audio Tracks, Subtitles, and special disc features, such as movie trailers, and information on the cast. Use these buttons to make selections in the Disc menus.

1 **DISC MENU Button**
Press to access the DVD's Disc menu, if applicable.

2 Press ▲, ▼ or ◀ , ▶ to navigate through DVD's Disc menu options.
• Press up, down, left and right to highlight menu choices.

3 **ENTER Button**
Press to make your selections in the Disc menu.

4 **TITLE Button**
Press to access the DVD's Title menu, if applicable.
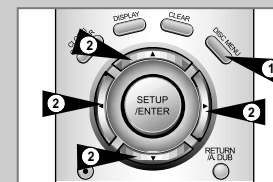
DVD Selecting the Audio Language (Using the Audio button)
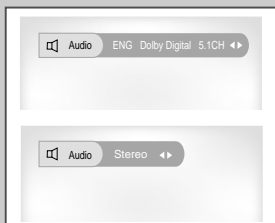
You can select a desired language quickly and easily with the AUDIO button.

1 Press the AUDIO button.

2 Use the ◀ or ▶ buttons to select the desired language on a DVD.
- The audio languages are represented by abbreviations.

3 Use the ◀ or ▶ buttons to select Stereo, Right or Left.
(On VCD/CD)

➤ • *This function depends on what languages are encoded on the disc and may not work with all DVDs.*

• *A DVD disc can contain up to 8 audio languages.*

• *How to have the same audio language come up whenever you play a DVD; Refer to "Audio Language" on page 49.*

Audio ENG Dolby Digital 5.1CH ◀▶

Audio Stereo ◀▶

DVD Selecting the Subtitle Language (Using the Subtitle button)
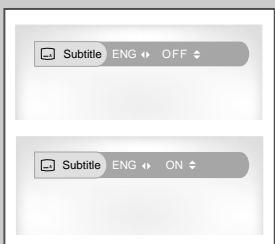
You can select a desired subtitle quickly and easily with the subtitle button.

1 Press the SUBTITLE button.

2 Use the ◀ or ▶ buttons to select the desired subtitle language.

3 Use the ◀ or ▶ buttons to determine whether or not the subtitle will be displayed.
- Initially, the subtitling will not appear on screen.
- The subtitle languages are represented by abbreviations.

➤ • *This function depends on what languages are encoded on the disc and may not work with all DVDs.*

• *A DVD disc can contain up to 32 subtitle languages.*

• *How to have the same subtitle language come up whenever you play a DVD; Refer to "Subtitle Language" on page 49.*

Subtitle ENG ◀▶ OFF ⬍

Subtitle ENG ◀▶ ON ⬍

Changing the Camera Angle DVD

When a DVD contains multiple angles of a particular scene, you can select the Angle function.

Press the ANGLE button to see if an ANGLE ( ) mark is present at the upper left hand corner of the screen.

1 When an ANGLE mark is shown, press the ANGLE button, then an ANGLE select icon will appear at the upper left hand corner of the screen.

2 Use the ◀ or ▶ buttons to select the desired screen angle.

3 To turn off the display, press the ANGLE button again.

Angle 1/6 ◀▶

GB
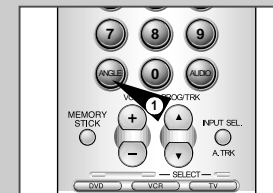
DVD | Using the Bookmark Function (DVD/VCD)
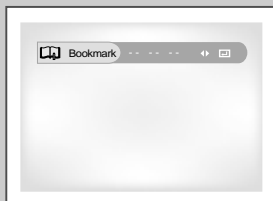
The Bookmark function lets you select parts of a DVD or VCD (MENU OFF mode) so that you can quickly find the section at a later time.

1 During play, press the MARK button on the remote. The Bookmark icons will be displayed.

2 Use the ◀ or ▶ buttons to move to the desired bookmark icon.

3 When you reach the scene you want to mark, press the ENTER button. The icon will change to a number (1, 2, or 3).

4 Press the MARK button to turn off the display.

DVD | Recalling a Marked Scene
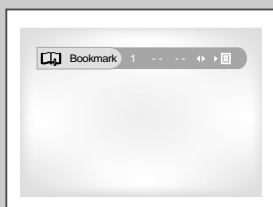
1 During play, press the MARK button on the remote.

2 Use the ◀ or ▶ buttons to select a marked scene.

3 Press the PLAY/STILL button to skip to the marked scene.

DVD | Clearing a Mark

1 During play, press the MARK button on the remote.

2 Use the ◀ or ▶ buttons to select the bookmark number you want to delete.

3 Press the CLEAR button to delete a bookmark number. Press the MARK button to turn off display.

➤
- *Up to three scenes may be marked at a time.*
- *When in VCD 2.0 mode (MENU ON mode), this function does not work.*
- *Depending on the disc, the Bookmark function may not work.*

60

Using the Zoom (DVD/VCD) | DVD

1 During play or still mode, press the ZOOM button on the remote. A square will be displayed on screen.

2 Use the ▲, ▼ or ◀, ▶ button to select the part of the screen you want to zoom in on.

3 Press the ENTER button.
- During DVD play : press ENTER to zoom in 2X/4X/2X/Normal in order.
- During VCD play, press ENTER to zoom in 2X/normal in order.
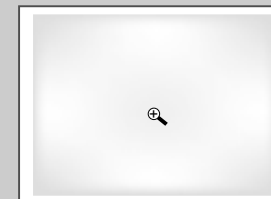
3D Sound Function | DVD

The simulated surround effect depends on the disc contents. If you connect the unit to your stereo system, you can enhance sound quality and produce a greater surround effect. This feature is useful when you are using the DVD player with a two channel stereo through the analog outputs.

(Discs which are recorded with LPCM or DTS will not work. When the DIGITAL OUTPUT is set to BITSTREAM in the SETUP MENU, the 3D Sound function will not work.)

1 During play, press the 3D button. The 3D SOUND mark will be displayed on screen.

2 Press the ▲ or ▼ buttons to turn the 3D Sound feature on or off.

➤
- *3D Sound is possible only on discs recorded using DOLBY SURROUND or DOLBY DIGITAL. However, some of these discs do not contain rear channel sound signals.*
- *Depending on the disc, the Zoom and 3D Sound function may not work.*

61
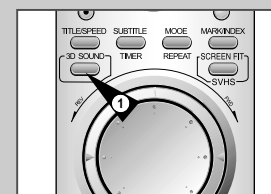
DVD **MP3 Play**

When an MP3 Disc is inserted into the DVD-VCR, the first song file of the first folder plays.

1 Press STOP to stop playback of the first song file, then press RETURN to display the music folder menu on the right side of the screen. Up to 8 music folders can be displayed at a time. If you have more than 8 folders on a disc, press the ◀ or ▶ buttons to bring them up on the screen.

2 Use the ▲ or ▼ buttons to select the desired music folder, the press ENTER. Use the ▲ or ▼ buttons again to select a song file. Press ENTER to begin playback of the song file.

➢ ◆ **Program/Random playback**

Press the MODE button, then the UP/DOWN buttons, to switch between the RANDOM and PROGRAM modes. See page 56 for more information on these modes.

NOTE : Press the REPEAT button to hear a song file Track repeatedly. Press Repeat again to the Disc Repeat mode. Press Repeat again to release the Repeat mode. Depending on the disc, the Program and Random Play function may not work. To resume normal play, press the CLEAR button. It does not work SETUP MENU in CD-R (MP3).

Memory Stick **DVD**

What is a Memory Stick?

"Memory Stick" is a new compact, portable and versatile IC (Integrated Circuit) recording medium with a data capacity that exceeds a floppy disk.
"Memory Stick" is specially designed for digital data exchange among "Memory Stick" compatible devices.
Because it is removable, the "Memory Stick" can also be used for external data storage.

There are two types of "Memory Sticks".
One is the regular "Memory Stick" and the other is the "MagicGate Memory Stick" equipped with "MagicGate" copyright protection technology.
"MagicGate" is a copyright protection technology that uses encryption.

1 **MagicGate Memory Stick**
Can be used for both copyright-protected and regular data.

2 **Memory Stick**
Can be used for regular data only.

➢ ◆ MagicGate Memory Sticks with copyright-protected data cannot be used in this unit.

DVD **Memory Stick**

Memory Stick **DVD**

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Precautions on handling the "Memory Stick"

The Memory Stick works in the DVD MODE only.

1 Data can become corrupted in the following instances:

- When the "Memory Stick" is taken out or the power is turned off while using the DPM (Digital Photo Manager) or DAM (Digital Audio Manager) function.

- When using the "Memory Stick" in a location subject to static electricity or electric noise.

2 Memory sticks can only be read in this unit, not written.

3 Do not attach any other material than the supplied label on the label space.

4 Attach the label so that it does not stick out from the proper attachment location.

5 When moving or storing the "Memory Stick", use the storage case.

6 Do not touch the "Memory Stick" connector with your finger or metallic objects.

7 Do not bend, drop or apply strong shock to the "Memory Stick."

8 Do not disassemble or modify the "Memory Stick."

9 Do not allow the "Memory Stick" to get wet.

Precautions on attaching/removing the "Memory Stick"

1 If it is not fully inserted, until you hear an audible "click", the "Memory Stick" will not work.

2 If you inadvertently remove the "Memory Stick" or turn off the power while using the DPM (Digital Photo Manager) or DAM (Digital Audio Manager) function, the recorded data may become corrupted.

3 To remove the "Memory Stick" during operation, see page 68 .

To format the "Memory Stick"

1 Do not format the "Memory Stick" using your computer. If you format the "Memory Stick" using the computer, you cannot use it with "Memory Stick"compatible devices.

2 If you need to format the "Memory Stick," use a "Memory Stick" compatible device (If formatted, all data previously recorded on the "Memory Stick" will be erased.)

3 If you use a "Memory Stick" that has been initialized using a computer or initialize a "Memory Stick" attached to a camera using USB connection, further operation is not guaranteed.

4 Be careful not to optimize the "Memory Stick" from a computer running a Windows operating system. The life of the "Memory Stick" will be shortened.

5 Do not compress the data recorded on the "Memory Stick." A compressed file cannot be played back on this unit.

Software Compatibility

1 Depending on the type of application software used, the file size of a still image may become larger when it is opened.

2 Depending on the type of application software used, only the first frame (thumbnail) of the clip motion file may be displayed.

3 An image file that has been modified using an image processing software may not open if it is converted into a different file format to play back with this product.

DVD | **Memory Stick**

Memory Stick functions applicable to DPM and DAM

Item	DPM (Digital Photo Manager)	DAM (Digital Audio Manager)
File Format	JPEG Image (∗.jpg)	MP3 Music File (∗.mp3)
File Size	1. All files in JPEG format that have less than 1600 x 1200 resolution can be played back with DPM. (JPEG files smaller than 1.5MB can be viewed with Photo View.) 2. For JPEG data without thumbnail information, "Thumbnail not available" will be displayed in The Thumbnail View, however, they can still be played back in Photo View.	- No limit to file size
Compatibility	1. Still image files with ".jpg" extension that have been recorded with a digital camcorder or digital still camera equipped with Memory Stick functions 2. JPEG image files stored in Memory Stick using a Memory Stick adaptor for PC 3. JPEG image files stored in CD-R/RW using CD Writer on PC, have to be stored using one of directory formats as follows (Capitalize all letters of directory name): 1) \DCIM\<dir>\∗.jpg 2) \PREVIEWS\<dir>\∗.jpg 3) \IMAGES\<dir>\∗.jpg 4) \∗.jpg - The size of each <dir> cannot be over 50MB. [case 1), 2), 3)] - When storing files in root directory [case 4)], the size of root directory also cannot be over 50MB.	All files in MP3 format that have been downloaded from a PC or PDA to Memory Stick (∗.mp3)
Main Functions	Directories Supported • Memory Stick DPM -DCIM\<dir>\∗.jpg • Picture CD DPM (Compatible with Picture CD of Kodak, Fuji, Qss (Noritus), and Konica)	MP3 music files recorded on Memory Stick can be played back. However, although non-MP3 files are also displayed on DAM, they cannot be played back.

DAM (Digital Audio Manager) Playback | **DVD**

MP3 Playback

1 Press Stop if in play mode.

2 Press the M.STICK button on the remote.

3 Insert the Memory Stick encoded with MP3 files into the Memory Stick Slot.

4 Press the UP/DOWN buttons on the remote control to select Digital Audio Manager, and then press the ENTER button.
•Your selection is highlighted with yellow borders.

5 Use the UP/DOWN buttons to select the desired song.

6 Press the ENTER button to start play.
• Press the DISC MENU button to return to the Start menu.
- If the PLAY button is pressed during the playback of an MP3 file, the song will start from the beginning again.
- If the SKIP button is pressed during the playback of an MP3 file,the next song will be played.

Screen Configuration

1. FOLDER UP: Use to move "up" a folder when you have multiple folders.

2. PLAYLIST: Shows the playlist.

3. INFO: Shows information about the Selected song being played.

4. EXIT: Takes you to the Start menu.

5. Shows brief information about the selected song.

6. The title of the song currently playing

7. Shows a list of MP3 files and folders found in the memory stick.

8. Shows the title and playback time of the currently playing song in the scroll box.

• If the REPEAT button is pressed, the following displays will appear:

- ↻ : If the REPEAT button is pressed, all MP3 files in a given folder will be played back repeatedly in the order they are listed under that folder.

- ᗕ : If the REPEAT button is pressed once again, the Shuffle function is activated. (All MP3 songs in a list are played once in random order.)

- ᗕ⊃ : If the REPEAT button is pressed yet once again, the Continuous Shuffle function is activated. (All MP3 songs in a list are played in random order.)

- If the REPEAT button is pressed still yet once again, the Repeat function is deactivated.

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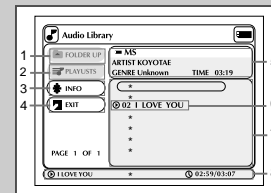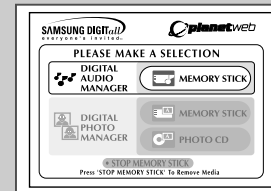
DVD Memory Stick Pull out

Photo Album

SELECT A PHOTO TO VIEW OR EDIT   ▣ EXIT   ▶ SLIDE SHOW

PHOTO 1 OF 28 DATE 2001/02/13 05:15 AM   PAGE ⊕ ⊙
pweasy picture   ROLL ⊙ 1 OF 1 ⊙

SAMSUNG DIGIT*all*   *planet*web
everyone's invited.

PLEASE MAKE A SELECTION

DIGITAL AUDIO MANAGER   MEMORY STICK

DIGITAL PHOTO MANAGER   MEMORY STICK
                         PHOTO CD

● STOP MEMORY STICK
Press 'STOP MEMORY STICK' To Remove Media
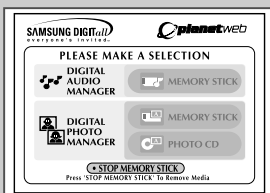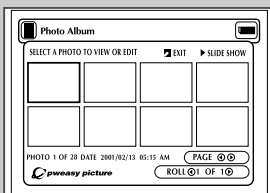
1 If using DPM (Digital Photo Manager) or DAM (Digital Audio Manager), move to Exit, and then press the ENTER button to exit to Disc Menu.

2 Move to the "STOP MEMORY STICK" function at the bottom of the menu and then press the ENTER button.

3 When the "PLEASE REMOVE MEMORY STICK" message appears on the top of the menu, remove the Memory Stick.

4 If the above sequence is not followed and the Memory Stick is inadvertently removed or the power is turned off, the data recorded on the Memory Stick may become corrupted.

DVD DPM (Digital Photo Manager) Playback

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everyone's invited.

PLEASE MAKE A SELECTION

DIGITAL AUDIO MANAGER   MEMORY STICK

DIGITAL PHOTO MANAGER   MEMORY STICK
                         PHOTO CD

● STOP MEMORY STICK
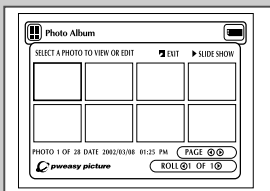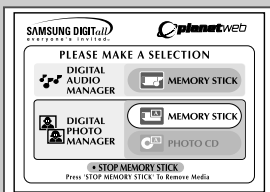Press 'STOP MEMORY STICK' To Remove Media

View Photo Album (Memory Stick)

1 Press Stop if in play mode.

2 Press the M.STICK button on the remote and the screen to the right will appear.

3 Insert the Memory Stick/Photo CD containing JPEG files into the Memory Stick Slot.

4 Press the UP/DOWN buttons on the remote control to select DIGITAL PHOTO MANAGER, and then press the ENTER button.

•Your selection is highlighted with yellow borders.

5 JPEG files in the Memory Stick/Photo CD will be displayed on the screen in the order of their recording.

6 Use the UP/DOWN/LEFT/RIGHT buttons to select the image you want, and then press the ENTER button to display it in full view on the TV screen, or use the UP/DOWN/LEFT/RIGHT buttons to select SLIDE SHOW and then press the ENTER button to begin the slide show. Slides will be displayed in order for a few seconds at a time.

Photo Album

SELECT A PHOTO TO VIEW OR EDIT   ▣ EXIT   ▶ SLIDE SHOW

PHOTO 1 OF 28 DATE 2002/03/08 01:25 PM   PAGE ⊕ ⊙
pweasy picture   ROLL ⊙ 1 OF 1 ⊙

➢ • The Auto Power Off function does not work while any DPM function is active.

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DPM (Digital Photo Manager) Playback DVD

GB

View Photo Album (Photo CD)

1 Insert the Memory Photo CD containing JPEG files into the DVD TRAY slot.

2 The Photo CD will be auto play.

3 Press the UP/DOWN buttons on the remote control to select DIGITAL PHOTO MANAGER, and then press the ENTER button.

•Your selection is highlighted with yellow borders.

4 JPEG files in the Photo CD will be displayed on the screen in the order of their recording.

5 Use the UP/DOWN/LEFT/RIGHT buttons to select the image you want, and then press the ENTER button to display it in full view on the TV screen, or use the UP/DOWN/LEFT/RIGHT buttons to select SLIDE SHOW press ENTER, and the silde show will begin. Slides will be displayed in order for a few seconds at a time.

SAMSUNG DIGIT*all*   *planet*web
everyone's invited.

PLEASE MAKE A SELECTION

DIGITAL AUDIO MANAGER   MEMORY STICK

DIGITAL PHOTO MANAGER   MEMORY STICK
                         PHOTO CD

● STOP MEMORY STICK
Press 'STOP MEMORY STICK' To Remove Media

Screen Configuration

1 **EXIT:** Takes you to the Start menu.

2 **SLIDE SHOW :** Begins the slide show.

3 **PAGE :** Highlight the PAGE menu item and use LEFT/RIGHT buttons to move to the next page of thumbnails.

4 **ROLL:** Allows navigation when there are multiple directories below '/DCIM' of Memory Stick. (See page 66)

5 Photo Information.

Photo Album

SELECT A PHOTO TO VIEW OR EDIT   ▣ EXIT   ▶ SLIDE SHOW — 2

PHOTO 1 OF 28 DATE 2002/03/08 01:25 PM   PAGE ⊕ ⊙ — 3
pweasy picture   ROLL ⊙ 1 OF 1 ⊙ — 4

1
5

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GB

Slide Show

ALBUM TIMER ● ● ● REPEAT ON OFF SET ORDER PLAY
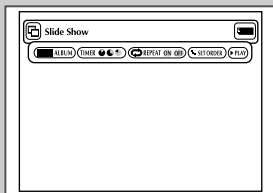
1 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to select Slide Show.

• Your selection is highlighted with yellow borders.

2 Press the ENTER button and the Slide Show will begin.

• To execute any function or option, be sure to press the ENTER button after selecting the menu item you want.

• If there is no input for 5 seconds, the Slide Show menu will disappear, and the slide show will begin.

• To view the Slide Show menu, press the UP/DOWN/ LEFT/RIGHT button on the remote control. The slide show will stop and the menu will be displayed.

• Select the PLAY menu item to resume.

Menu Description

• **ALBUM :** Takes you back to the Photo Album.

• **TIMER:** Indicates the delay between images in a slide show.

• **REPEAT :** If ON is selected, the slide show will repeat indefinitely.

• **SET ORDER:** Use to change the order of images in a slide show.

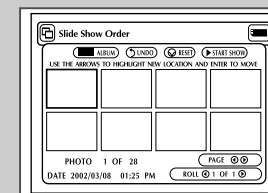• **PLAY:** Begins the slide show.

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1 Use the UP/DOWN/LEFT/RIGHT buttons to select Slide Show and press ENTER.

2 Use the LEFT/RIGHT buttons to select Set Order and press ENTER.

3 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to select the image you want to move, and then press the ENTER button.

• Your selection is highlighted with yellow borders.

4 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to select the location you want to move the image to, and then press the ENTER button.

• Source location is indicated with yellow borders. Destination location is indicated with green borders.

5 After moving the images to another location, you can begin the slide show by choosing START SHOW.

• For those images you don't want to include in the slide show, select the image from the Slide Show Order screen, and then press the CLEAR button.

➢ ◆ Slide Show order will reset when you turn player off.

Slide Show Order

ALBUM UNDO RESET START SHOW
USE THE ARROWS TO HIGHLIGHT NEW LOCATION AND ENTER TO MOVE

PHOTO   1 OF 28   PAGE ⊕ ⊖
DATE 2002/03/08   01:25 PM   ROLL ⊕ 1 OF 1 ⊖

Menu Description

• **ALBUM:** Takes you to Photo Album.

• **UNDO:** Restores the image you moved most recently to its original location.

• **RESET:** Restores all the images to their original locations.

• **START SHOW:** Begins the slide show.

GB

Photo View

ALBUM | EDIT | SLIDE SHOW | ROTATE | ZOOM | PAN
PHOTO ◄ 1 OF 28 ►
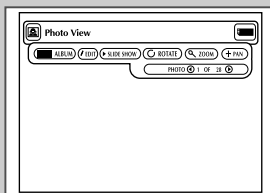
1 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to select the desired image from the Photo Album screen, and then press the ENTER button.

• The selected image will appear on the TV screen.

2 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to move to the menu item you want, and then press the ENTER button.

• If there is no input for 5 seconds, the Photo View menu wil disappear. To view the menu again, press the UP/DOWN/LEFT/RIGHT button.


Menu Description

• **ALBUM:** Takes you to Photo Album.

• **EDIT:** You can apply various effects to the selected image. This is only for viewing, the edited image cannot be saved.

• **SLIDE SHOW:** Begins the slide show.

• **ROTATE:** Each time the ENTER button is pressed, the image will rotate clockwise 90 degrees.

• **ZOOM:** Each time the ENTER button is pressed, the image will enlarge up to 6X
Normal --> 2X --> 4X ---> 6X --> Normal

• **PAN:** Press the ENTER button followed by the UP/ DOWN/ LEFT or RIGHT button to move the image in the direction of the arrow.

• **PHOTO ◄ 1 OF 11 ► :** When the Photo menu item is highlighted, the LEFT/RIGHT button move to the next previous images.

➤ *You can start the Slide Show by pressing the PLAY button in the Photo View mode. Refer to the Slide Show Menu on page 70.*

GB
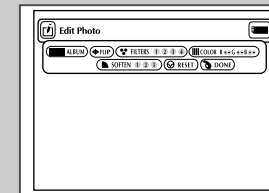
1 From the Photo View screen, use the UP/DOWN/LEFT/RIGHT buttons to select EDIT, and then press the ENTER button.

• The Edit Photo menu appears.

2 Use the UP/DOWN/LEFT/RIGHT buttons on the remote control to move to the menu item you want, and then press the ENTER button.

• If there is no input for 5 seconds, the Edit Photo menu will disappear. To view the menu again, press the UP/DOWN/LEFT/RIGHT and PLAY/STOP/ENTER button.

Edit Photo

ALBUM | FLIP | FILTERS 1 2 3 4 | COLOR R+G+B+-
SOFTEN 1 2 3 | RESET | DONE

Menu Description

• **ALBUM :** Takes you back to the Photo Album.

• **FLIP:** Shows the mirror image.

• **FILTERS 1234:** You can apply various effects to the selected image.

1. Black and white filter.
2. Sepia (brown) filter.
3. Image negative filter.
4. Color negative filter.

- To restore the image to its original state, select RESET from the menu, and then press the ENTER button.

• **COLOR R + - G + - B + -**
Adjust Red, Green and Blue color balances each time ENTER is pressed.

• **SOFTEN 123:** Highlight 1 of 3 desired effects: 1) softens edges, 2) blurs the image and 3) creates an impressionist painting effect.

• **RESET:** Restores the image to its original state before the change was made.

• **DONE:** Returns you to the Photo View screen.

DVD | **MP3 Play (CD-R MP3 disc requirements)**

When playing CD-R MP3 discs, please follow the recommendations below:

• **Your MP3 files should be ISO 9660 or JOLIET format.**
ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.

• **When naming your MP3 files do not exceed 8 characters, and place ".mp3" as the file extension.** General name format of: Title.mp3. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (.,/,\,=,+).

• **Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**
Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate (conversion to MP3 format) of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality. Conversely, files with sampling rates below 128 Kbps will not be played properly.

• **Do not try recording copyright protected MP3 files.**
Certain "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows MediaTM (registered trade mark of Microsoft Inc) and SDMITM (registered trade mark of The SDMI Foundation). You cannot copy such files.

• **Your DVD player only accepts one level of file directory. Consequently you must choose:**
- either to save all your MP3 recording files at the root of the disc;
- and/or create folders in the directory for each artist or music type (e.g.classical, rock, jazz, etc)

• **Important:** The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).

Technical Specifications

General	Rated voltage	220 - 240V~, 50Hz
	Power consumption	25 Watts
	Weight	4.5 Kg
	Size	430mm X 330mm X 100mm
	Operating ambient temperature	+5°C ~ +35°C
	Installation conditions	Operation position : Horizontal, Relative humidity : Below 75%
Input	Video input (Rear)	RCA jack : 1.0Vp-p (unbalanced) 75Ω
	Audio input (Rear)	RCA jack : -8dBm, 47Kohm unbalanced
Output	RF out	UHF 21-69 (Initial CH36) : Newzealand model UHF 28-69 (Initial CH38) : Australia model
	Audio (DVD, VCR)	RCA jack
	Audio (DVD only)	Digital audio out (OPTICAL, COAXIAL), RCA, L, R
	Video (DVD, VCR)	RCA jack
	Video (DVD only)	S-Video out COMPONENT out : RCA jack
VCR	Tape format	VHS type video tape, S-VHS type video tape (Playback only)
	Color system	PAL, MESECAM, NTSC4.43, NTSC playback on PAL TV
	Tuning system	B/G, D/K : Newzealand model B/B : Australia model
	Video S/N	Above 43dB (standard recording)
	Resolution	Above 240 lines (standard recording)
	Audio S/N	Above 68dB (Hi-Fi), 39dB (Mono)
DVD	Audio frequency characteristics	20Hz - 20KHz (Hi-Fi)
	Disc	DVD, CD (12cm), CD (8cm), VIDEO-CD (12cm)
	Audio S/N	95dB
	Audio dynamic range	105dB

Problems and Solutions (VCR)

Before contacting the Samsung after-sales service, perform the following simple checks.

Problem	Explanation/Solution
No power	◆ Check that the power plug is connected to a wall outlet. ◆ Have you pressed the STANDBY/ON button?
You cannot insert a video cassette	◆ A video cassette can only be inserted with the window side up and the safety tab facing you.
The television programme was not recorded	◆ Check the DVD-VCR aerial connections. ◆ Is the DVD-VCR tuner properly set? ◆ Check if the safety tab is intact on the cassette.
Timer recording was unsuccessful	◆ Was the STANDBY/ON button pressed to activate the timer? ◆ Re-check the recording start/stop time settings. ◆ If there was a power failure or interruption during timer recording, the recording will have been cancelled.
No playback picture or the picture is distorted	◆ Check to see if you are using a prerecorded tape.
You cannot see normal broadcasts	◆ Check the TUNER/EXTERNAL setting. It should be on TUNER. ◆ Check the TV/VCR aerial connections.
Noise bars or streaks on playback	◆ Press the PROG/TRK (▲ or ▼) buttons to minimize this effect.
When the ►|| button is pressed during playback, the still picture has severe "noise bars" streaks	◆ A still picture may have "noise bars", depending on the condition of the tape. Press the PROG/TRK (▲ or ▼) buttons during SLOW motion to minimize this effect.
Video Head Cleaning	◆ If poor pictures appear on a variety of cassettes, the video heads may need cleaning. This is not a common problem and unless it appears, the heads should not be cleaned. When cleaning the video heads, read all instructions provided with the head cleaning cassette. Incorrect head cleaning can permanently damage the video heads.
If when tuning in your TV to the DVD-VCR your TV does not find the screen or the screen when found suffers from interference, it may be due to the DVD-VCR output channel clashing with the normal TV transmissions in your area. To prevent this you will need to change the DVD-VCR output channel in the following way	**1.** Remove the aerial input plug from the socket marked (aerial symbol) on the rear of the DVD-VCR. **2.** Carry out the instructions "Tuning Your Television for the DVD-VCR" (see page 14). **3.** Carry out the instructions "Setting the DVD-VCR output Channel" (see page 23), move the channel number several channels down from the original setting. (example: from 38 to 40). **4.** Replace the aerial plug into the socket marked (aerial symbol) on the rear of the DVD-VCR. **5.** Re-tune your TV to the DVD-VCR again by following instructions "Tuning Your Television for the DVD-VCR" (page 14). **6.** If the problem still exists repeat steps 1 to 5 moving several more channels away from the original setting.

If you are unable to solve the problem after reading the above instructions, note:

◆ *The model and serial number on the rear of your DVD-VCR*

◆ *The warranty information*

◆ *A clear description of the problem*

Then contact your nearest SAMSUNG after-sales service.

Troubleshooting Guide (DVD)

Before requesting service (troubleshooting)

Problem	Action	Page
Disc does not play.	◆ Ensure that the disc is installed with the label side facing up. ◆ Check the region number of the DVD. ◆ This player cannot play CD-ROMs, DVD-ROMs, etc. Insert a DVD, a VIDEO-CD or a CD.	P6
5.1 channel sound is not being reproduced.	◆ 5.1 channel sound is reproduced only when the following conditions are met. : 1) The DVD-VCR player is connected with the proper amplifier 2) The disc is recorded with 5.1 channel sound. 3) The "Digital out" is selected "Bitstream". ◆ Check whether the disc being played has the "Dolby 5.1 ch" mark on the outside. ◆ Check if your audio system is connected and working properly.	P51
The ⊘ icon appears on screen.	◆ The features or action cannot be completed at this time because: 1. The DVD's software restricts it. 2. The DVD's software doesn't support the feature (e.g., angles). 3. The feature is not available at the moment. 4. You've requested a title or chapter number or search time that is out of range.	
Playback mode differs from the Setup Menu selection.	◆ Some of the functions selected in the DVD SETUP may not work properly if the disc is not encoded with the corresponding function.	P48-51
The screen ratio cannot be changed.	◆ The Screen Ratio is fixed on your DVDs.	P51
No audio.	◆ Make sure you have selected the correct Digital Output in the Audio Options Menu.	P51
Forgot password	◆ Press power on from a cold start with no disc in the unit. Press the ►► and ◄◄ buttons simultaneously on the front panel for five seconds. The Select Menu Language display will appear. Select the desired language button. Press the SETUP button on the remote control to select the Parental Mode. Use the ▲, ▼ buttons to select Parental option, press the ENTER button, the Parental Mode is now unlocked as indicated on the display. Press ◄,► button and the Create Password display will appear. You can now set your rating level and change your password to a new number.	P50
If you experience other problems.	◆ Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again. ◆ If the problem still cannot be solved, please contact your nearest authorized service center.	

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